Δρ. Άννα Κεφάλα

WireShark (a network protocol analyser)

WireShark Web Browsing Demo

Try it out!

Ξεκινήστε τον Browser

- Ξεκινήστε το WireShark
- Επιλέξτε το interface για ανίχνευση
- 🛛 Ξεκινήστε την ανίχνευση 🛛 🗹
- Visit <u>http://ccslab.aueb.gr/</u> ή κάποιο άλλο URL
- 🔹 Σταματήστε την ανίχνευση 📃
- Ανάμεσα στα πακέτα που ανιχνεύθηκαν υπάρχει και η ανταλλαγή των ΗΤΤΡ μηνυμάτων...
 Filtering

Filter HTTP κίνηση

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	852 20.569705	192.168.9.5	178.63.108.194	HTTP	745 GET /2012/style/sprite.png?v=2 HTTP/1.1	
	873 20.606304	178.63.108.194	192.168.9.5	HTTP	584 HTTP/1.1 200 OK (application/javascript)	
	896 20.617525	178.63.108.194	192.168.9.5	HTTP	170 HTTP/1.1 200 OK (PNG)	
	915 20.658165	178.63.108.194	192.168.9.5	HTTP	746 HTTP/1.1 200 OK (application/javascript)	
	938 20.710603	192.168.9.5	194.177.211.138	HTTP	77 GET /cygnus?s=311572&v=7.2&r=%7B%22id%22%3A%229d09d6ce83e24	
	953 20.754277	192.168.9.5	185.33.223.204	HTTP	230 POST /ut/v3/prebid HTTP/1.1 (text/plain)	
+	978 20.825312	192.168.9.5	173.241.240.220	HTTP	1083 GET /w/1.0/arj?ju=http%3A%2F%2Fwww.wordreference.com%2Fengr	
	988 20.884604	185.33.223.204	192.168.9.5	HTTP	1495 HTTP/1.1 200 OK (application/json)	
	994 20.900294	194.177.211.138	192.168.9.5	HTTP	1167 HTTP/1.1 200 OK (application/json)	
-	1011 21.016728	173.241.240.220	192.168.9.5	HTTP	184 HTTP/1.1 200 OK (application/json)	
	1017 21.030100	192.168.9.5	216.58.198.2	HTTP	367 GET /tag/js/gpt.js HTTP/1.1	
	1073 21.107739	216.58.198.2	192.168.9.5	HTTP	801 HTTP/1.1 200 OK (text/javascript)	
	1714 22.391802	192.168.9.5	194.177.211.138	HTTP	308 GET /MFMwUTBPME0wSzAJBgUrDgMCGgUABBR%2B5mrncpqz%2FPiiIGRsFq	~
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Analyzing

Επιλέξτε ένα ΗΤΤΡ GET πακέτο

	*Ethe	rnet				— —	\times	
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	849	20.558706	192.168.9.5	178.63.108.194	HTTP	746 GET /cmp/cmp.complete.bundle.js HTTP/1.1		
	852	20.569705	192.168.9.5	178.63.108.194	HTTP	745 GET /2012/style/sprite.png?v=2 HTTP/1.1		
	873	20.606304	178.63.108.194	192.168.9.5	HTTP	584 HTTP/1.1 200 OK (application/javascript)		
	896	20.617525	178.63.108.194	192.168.9.5	HTTP	170 HTTP/1.1 200 OK (PNG)		
	915	20.658165	178.63.108.194	192.168.9.5	HTTP	746 HTTP/1.1 200 OK (application/javascript)		
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	988	20.884604	185.33.223.204	192.168.9.5	HTTP	1495 HTTP/1.1 200 OK (application/json)		
	994	20.900294	194.177.211.138	192.168.9.5	HTTP	1167 HTTP/1.1 200 OK (application/json)		
+	1011	21.016728	173.241.240.220	192.168.9.5	HTTP	184 HTTP/1.1 200 OK (application/json)		
	1017	21.030100	192.168.9.5	216.58.198.2	HTTP	367 GET /tag/js/gpt.js HTTP/1.1		
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						/		_
>	Frame	978: 1083 b	oytes on wire (860	54 bits), 1083 by	tes cap	tured (8664 bits) on interface 0		
>	Ether	net II, Src:	Giga-Byt_48:19:9	9f (fc:aa:14:48:19	9:9f),	Dst: Fortinet_09:00:25 (00:09:0f:09:00:25)		
>	Inter	net Protocol	Version 4, Src:	192.168.9.5, Dst	: 173.2	41.240.220		
>	Trans	mission Cont	rol Protocol, Sro	: Port: 54334, Ds	t Port:	80, Seq: 1, Ack: 1, Len: 1029		
>	Hyper	text Transfe	er Protocol					
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003	30 0 3	1 00 54 ef 0	0 00 47 45 54 20) 2f 77 2f 31 2e 3	30	TGE T /w/1.0		^
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006	50 6	5 72 65 6e 6	3 65 2e 63 6f 6d	25 32 46 65 6e 6	57 ere	ence.c om%2Feng		¥
	7	Hypertext Trans	fer Protocol (http), 1029	bytes		Packets: 3551 · Displayed: 67 (1.9%) · Dropped: 0 (0.0%) Profile: De	efault	

Analyzing IP

Communicating

peers

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	953 20.754277	192.168.9.5	185.33.223.204	нттр	230 POST /u	t/v3/p	prebid HTTP/1.	.1 (text/pl	lain)			
+	978 20.825312	192.168.9.5	173.241.240.220	HTTP	1083 GET /w/	1.0/ar	j?ju=http%3A%	62F%2Fwww.wo	ordreference.c	om%2Fengr	·%2	
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	994 20.900294	194.177.211.138	192.168.9.5	HTTP	1167 HTTP/1.	1 200	OK (applicat	tion/json)				
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e i	1017 01 000100	100 100 0 5	216 59 109 2	11770		-//-		1			>	Ť
~ 1	Internet Protocol 0100 = Ve 0101 = He Differentiated Total Length: Identification Flags: 0x4000, Time to live: Protocol: TCP Header checksu [Header checks Source: 192.16 Destination: 1	Version 4, Src: rsion: 4 ader Length: 20 b Services Field: 1069 : 0x187f (6271) Don't fragment 128 (6) m: 0x75d0 [valida um status: Unveri 8.9.5 73.241.240.220	192.168.9.5, Dst ytes (5) 0x00 (DSCP: CS0, tion disabled] fied]	: 173.24	41.240.220	-						
	Transmission Cont	rol Protocol. Sro	: Port: 54334. Ds	t Port:	80. Sea: 1.	ck: 1.	. Len: 1029					-
003	0 01 00 54 ef 0	0 00 47 45 54 20	2f 77 2f 31 2e 3	30 ··T	GE T /w/1.	0 ~						^
004	0 27 01 /2 6a 3 0 32 46 25 32 40	⊺ ⊍a /ɔ 301 b8 /4 6 77 77 77 2≏ 77	6f 72 64 72 65 0	25 /an 56 2F%	2Fwww.wordre	76 F						
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•	Hypertext Transf	fer Protocol (http), 1029	bytes			Pa	ckets: 3551 · Displ	ayed: 67 (1.9%)) · Dropped: 0 (0.09	%) Profile	: Defaul	t

Analyzing Transportation Level

TCP, well-known port for HTTP?

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help Image: Constraint of the statistics Telephony Wireless Tools Help Image: Constraint of the statistics Telephony Wireless Tools Help Image: Constraint of the statistics Telephony Wireless Tools Help Image: Constraint of the statistics Telephony Wireless Tools Help Image: Constraint of the statistics Telephony Wireless Tools Help Image: Constraint of the statistics Telephony Wireless Tools (PNG) 995 20.617525 178.63.108.194 192.168.9.5 HTTP 193 20.75427 192.168.9.5 993 20.75427 192.168.9.5 973 20.825312 192.168.9.5 978 20.825312 192.168.9.5 978 20.825312 192.168.9.5 978 20.825312 192.168.9.5 978 20.825312 192.168.9.5 978 20.825312 192.168.9.5 978 20.825412 192.168.9.5 978 20.825412 192.168.9.5 978 20.825412 192.168.9.5 978 20.825412 192.168.9.5 978 20.825412 192.168.9.5 978 20.825412 192.168.9.5 988 20.86464 193.12.241.240.21 978 20.825412 192.	*Ethernet	- 0	\times
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<pre> 978 20.825312 192.168.9.5 173.241.240.220 HTTP 1083 GET //1.0/arjju=http%3A&2F&2Fwww.wordreference.com%2Fengr%2 988 20.884604 185.33.223.204 192.168.9.5 HTTP 1495 HTTP/1.1 200 OK (application/json) 994 20.906294 194.177.211.138 192.168.9.5 HTTP 1495 HTTP/1.1 200 OK (application/json) 994 20.906294 194.177.211.138 192.168.9.5 HTTP 184 HTTP/1.1 200 OK (application/json) 1011 21.016728 173.241.240.220 192.168.9.5 HTTP 184 HTTP/1.1 200 OK (application/json) 1012 21.016728 173.241.240.220 192.168.9.5 HTTP 184 HTTP/1.1 200 OK (application/json) 1012 21.016728 173.241.240.220 192.168.9.5 HTTP 184 HTTP/1.1 200 OK (application/json) 1012 21.016728 173.241.240.220 192.168.9.5 Dtt: 173.241.240.220 Transmission Control Protocol, Src Port: 54334, Dst Port: 80, Seq: 1, Ack: 1, Len: 1029 Source Port: 54334 Destination Port: 80 [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1030 (relative sequence number)] Acknowledgment number: 206 (relative sequence number) [Next sequence number: 1 (relative ack number) 0101 = Header Length: 20 bytes (5) Flags: 0x018 (PSH, ACK) Window size scaling factor: 2561 Window size scaling factor: 2561 Window size scaling factor: 2561 Over 253 246 65 74 74 77 26 77 72 57 7 26 77 72 57 72 57 7 50 50 50 50 50 50 50</pre>	953 20.754277 192.168.9.5 185.33.223.204 HTTP 230 POST /ut/v3/prebid HTTP/1.1 (text/plai	n)	
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<pre> 1011 21.016728 173.241.240.220 192.168.9.5 HTTP 184 HTTP/1.1 200 OK (application/json) Frame 978: 1083 bytes on wire (8664 bits), 1083 bytes captured (8664 bits) on interface 0 Ethernet II, Src: Giga-Byt_48:19:9f (fc:aa:14:48:19:9f), Dst: Fortinet_09:00:25 (00:09:0f:09:00:25) Internet Protocol Version 4, Src: 192.168.9.5, Dst: 173.241.240.220 Transmission Control Protocol, Src Port: 54334, Dst Port: 80, Seq: 1, Ack: 1, Len: 1029 Source Port: 54334 Destination Port: 80 [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1 (relative sequence number)] Acknowledgment number: 1 (relative sequence number)] 0101 = Header Length: 20 bytes (5) Flags: 0x018 (PSH, ACK) Window size scaline factor: 2561 [Calculated window size: 65536] [Window size scaline factor: 256] [Vindow size scaline factor: 256] [Vindow 52 6 06 6 7 4 7 4 70 25 33 41 25 /arj?ju= http%3A% 0050 32 46 25 32 46 67 67 f0 26 4 72 65 66 2F%2Fwww.wordref 0070 72 25 32 46 6c 6f 6f 6b 25 32 35 32 30 66 6f 72 m%2Flook %2520for</pre>	994 20.900294 194.177.211.138 192.168.9.5 HTTP 1167 HTTP/1.1 200 OK (application/json)		
<pre></pre>	+ 1011 21.016728 173.241.240.220 192.168.9.5 HTTP 184 HTTP/1.1 200 OK (application/json)		
Frame 978: 1083 bytes on wire (8664 bits), 1083 bytes captured (8664 bits) on interface 0 > Ethernet II, Src: Giga-Byt_48:19:9f (fc:aa:14:48:19:9f), Dst: Fortinet_09:00:25 (00:09:0f:09:00:25) > Internet Protocol Version 4, Src: 192.168.9.5, Dst: 173.241.240.220 Y Transmission Control Protocol, Src Port: 54334, Dst Port: 80, Seq: 1, Ack: 1, Len: 1029 Source Port: 54334 Destination Port: 80 [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1030 (relative sequence number)] Acknowledgment number: 1 (relative ack number) 0101 = Header Length: 20 bytes (5) > Flags: 0x018 (PSH, ACK) Window size value: 256 [Calculated window size: 65536] [Window size scaling factor: 256] 01 00 54 ef 00 00 47 45 54 20 2f 77 2f 31 2e 30 ··T···GE T /w/1.0 0030 01 00 54 ef 00 00 47 45 54 20 2f 77 2f 31 2e 30 ··T···GE T /w/1.0 0040 2f 61 72 6a 3f 6a 75 3d 68 74 74 70 25 33 41 25 /arj?ju= http%3A% 0050 03 24 62 53 22 46 77 777 72 e77 6f 72 64 72 65 66 2F%2FWww.wordref 0070 72 25 32 46 6c 6f 6f 6b 25 32 35 32 30 66 6f 72 r%2Flook %2520for		>	
<pre>> rhame 978: 1005 bytes on wire (above bits), 1005 bytes taptited (above bits) on interface 0 > Ethernet II, Src: Giga-Byt_48:19:9f (fc:aa:14:48:19:9f), Dst: Fortinet_09:00:25 (00:09:0f:09:00:25) > Internet Protocol Version 4, Src: 192.168.9.5, Dst: 173.241.240.220 Y Transmission Control Protocol, Src Port: 54334, Dst Port: 80, Seq: 1, Ack: 1, Len: 1029 Source Port: 54334 Destination Port: 80 [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1 (relative sequence number)] Acknowledgment number: 1 (relative sequence number) [Next sequence number: 1 (relative ack number) 0101 = Header Length: 20 bytes (5) > Flags: 0x018 (PSH, ACK) Window size value: 256 [Calculated window size: 65536] [Window size scaline factor: 256] 01 00 54 ef 00 00 47 45 54 20 2f 77 2f 31 2e 30 ··T···GE T /w/1.0 040 2f 61 72 6a 3f 6a 75 3d 68 74 74 70 25 33 41 25 /arj?ju= http%3A% 0850 32 46 62 53 24 66 77 777 72 ef 7 26 72 65 72 ef 272 ef 72 e</pre>	Earma 070, 1002 butas an wine (0564 bits) 1003 butas senturad (0564 bits) an intenface 0		
<pre>> Internet 11, 31C: 01ga 0jC_4313531 (1c:43.14:43.15:51), 051; 173.241.240.220 > Internet Protocol Version 4, Src: 192.168.9.5, Dst: 173.241.240.220 > Transmission Control Protocol, Src Port: 54334, Dst Port: 80, Seq: 1, Ack: 1, Len: 1029 Source Port: 54334 Destination Port: 80 [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1030 (relative sequence number)] Acknowledgment number: 1 (relative ack number) 0101 = Header Length: 20 bytes (5) > Flags: 0x018 (PSH, ACK) Window size value: 256 [Calculated window size: 65536] [Window size scaling factor: 256] 0030 01 00 54 ef 00 00 47 45 54 20 2f 77 2f 31 2e 30 ··T···GE T /w/1.0 0040 2f 61 72 6a 3f 6a 75 3d 68 74 74 70 25 33 41 25 /arjPju= http\$3A% 0050 32 46 25 32 46 77 77 77 2e 77 6f 72 64 72 65 66 22%2Fwww.wordref 0060 65 72 65 66 33 65 2e 63 6f 6d 25 32 46 65 6e 67 erence.c om%2Feng 0070 72 25 32 46 6c 6f 6f 6b 25 32 35 32 30 66 6f 72 r%2Flook %2520for</pre>	Frame 976: 1005 Dytes on Wire (0004 Dits), 1005 Dytes captured (0004 Dits) on Internate 0		
<pre>> Interine Protocol Version 4, Str. 152:100:313, Ust. 153:12:00.220 > Transmission Control Protocol, Src Port: 54334, Dst Port: 80, Seq: 1, Ack: 1, Len: 1029 Source Port: 54334 Destination Port: 80 [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1 (relative sequence number)] Acknowledgment number: 1 (relative ack number) 0101 = Header Length: 20 bytes (5) > Flags: 0x018 (PSH, ACK) Window size value: 256 [Calculated window size: 65536] [Window size scaline factor: 256] 0030 01 00 54 ef 00 00 47 45 54 20 2f 77 2f 31 2e 30 ···T···GE T /w/1.0 0040 2f 6i 72 6a 3f 6a 75 3d 68 74 74 70 25 33 41 25 /arj?ju= http%3A% 0050 32 46 25 32 46 77 77 77 2e 77 6f 72 64 72 65 66 2F%2Fwww.wordref 0060 65 72 65 66 63 65 2e 63 6f 6d 25 32 46 65 6e ff 72 r%2Flook %2520for</pre>	Totanat Protocol Version 4. Sec. 102, 168, 0. Det. 173, 241, 240, 230		
Window size volue: 256 (Calculated window size: 65536] (Window size scaling factor: 256] (Calculated window size: 65536] (Window size scaling factor: 256] (Window 216 617 707 72 e 77 6f 72 64 72 65 66 2F%2Fwww.wordref (0060 65 72 65 66 63 65 2e 63 66 6d 25 32 46 65 6e 67 erence. com%2Feng (0070 72 25 32 46 6c 6f 6f 6b 25 32 35 32 30 66 6f 72 r%2Flook %2520for	Y Transission (ontrol Protocol Scr Dort: 5433) Det Dort: 80 Sca: 1 Ack: 1 Len: 1020		
Destination Port: 80 [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1030 (relative sequence number)] Acknowledgment number: 1 (relative ack number) 0101 = Header Length: 20 bytes (5) > Flags: 0x018 (PSH, ACK) Window size value: 256 [Calculated window size: 65536] [Window size scaling factor: 256] 0030 01 00 54 ef 00 00 47 45 54 20 2f 77 2f 31 2e 30 ··T···GE T /w/1.0 0040 2f 61 72 6a 3f 6a 75 3d 68 74 74 70 25 33 41 25 /arj?ju= http%3A% 0050 32 46 25 32 46 77 77 77 2e 77 6f 72 64 72 65 66 2F%2Fwww.wordref 0060 65 72 65 6e 63 65 2e 63 6f 6d 25 32 46 65 6e 67 erence.com%2Feng 0070 72 25 32 46 6c 6f 6f 6b 25 32 35 32 30 66 6f 72 r%2Flook %2520for	Source Dort: 5434		
Strington rol to b [Stream index: 32] [TCP Segment Len: 1029] Sequence number: 1 (relative sequence number) [Next sequence number: 1030 (relative sequence number)] Acknowledgment number: 1 (relative ack number) 0101 = Header Length: 20 bytes (5) > Flags: 0x018 (PSH, ACK) Window size value: 256 [Calculated window size: 65536] [Window size scaling factor: 256] 0030 01 00 54 ef 00 00 47 45 54 20 2f 77 2f 31 2e 30 ··T···GE T /w/1.0 0040 2f 61 72 6a 3f 6a 75 3d 68 74 74 70 25 33 41 25 /arj?ju= http%3A% 0050 32 46 25 32 46 77 77 72 2e 77 6f 72 64 72 65 66 2F%2Fwww.wordref 0050 32 46 25 32 46 6f 6d 25 32 46 65 6e 67 erence.com%2Feng 0070 72 25 32 46 6c 6f 6f 6b 25 32 35 32 30 66 6f 72 r%2Flook %2520for	Destination Port: 80		
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🔴 🌋 Hypertext Transfer Protocol (http), 1029 bytes Packets: 3551 · Displayed: 67 (1.9%) · Dropped: 0 (0.0%) Profile: Default	🔴 🝸 Hypertext Transfer Protocol (http), 1029 bytes Packets: 3551 · Displayed: 67 (1.9%) · D	Profile: Dropped: 0 (0.0%)	ault .

Analyzing HTTP GET message

Analyzing HTTP response message

	*Ethernet					\times
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					Evoression	+
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No.	Time	Source	Destination	Protocol	Length Info	^
	953 20.754277	192.168.9.5	185.33.223.204	HTTP	230 POST /ut/v3/prebid HTTP/1.1 (text/plain)	
+►	978 20.825312	192.168.9.5	173.241.240.220	HTTP	1083 GET /w/1.0/arj?ju=http%3A%2F%2Fwww.wordreference.com%2Fengr%2	
	988 20.884604	185.33.223.204	192.168.9.5	HTTP	1495 HTTP/1.1 200 OK (application/json)	
	994 20.900294	ernet × it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statistics Telephony Wireless Tools Help it View Go Capture Analyze Statis				
	1011 21.016728	173.241.240.220	192.168.9.5	HTTP	184 HTTP/1.1 200 OK (application/json)	~
<	1017 21 030100	192 168 9 5	216 5X 19X 2	нпр	KA/ GET /tag/is/get is HTP/11	
5	Erame 1011: 184 h	vtes on wire (14	72 hits) 184 hvt	es cant	ured (1472 hits) on interface 0	
5	Fthernet II Src:	Fortinet 09.00	72 0103), 104 0yc 25 (aa.ag.af.ag.a	0.22) 0.22	$f_{1} = 0$ (1472 Dits) on interface 0 Dst. Gigs-Byt 48.19.9f (fc.sa.14.48.19.9f)	
5	Internet Protocol	Version 4 Sec:	173 241 240 220	Dst · 1	92 168 9 5	
5	Transmission Cont	rol Protocol, Sr	C Port: 80. Dst P	ort: 54	334. Seg: 4381. Ack: 1030. Len: 130	
5	[4 Reassembled TC	P Segments (4510	bytes): #1007(14	60), #1	009(1460), #1010(1460), #1011(130)]	
~	Hypertext Transfe	r Protocol	5,005,11 #2007(11	,,	(1.00), "1010(1.00), "1011(1.00)]	
	> HTTP/1.1 200 0	K\r\n				
	Vary: Accept\r	\n				
	Set-Cookie: p	synced=j0.pp.ph.c	X.px.pw.oL.jO.oT	.ma.im.	ie.mS.pF.ns.t9.ku.qH.sj; Version=1; Expires=Wed, 21-Nov-2018 14:50:21	GM
	Set-Cookie: i=	bbc7b46b-1d73-4c8	88-2250-44f0bed7a	473 144	1350232; Version=1; Expires=Wed, 06-Nov-2019 14:50:21 GMT; Max-Age=31	536
	Server: OXGW/1	6.103.1\r\n				
	Pragma: no-cac	he\r\n				
	P3P: CP="CUR A	DM OUR NOR STA NI	ID"\r\n			
	Expires: Mon,	26 Jul 1997 05:00	0:00 GMT\r\n			
	Date: Tue, 06	Nov 2018 14:50:21	l GMT\r∖n			
	Content-Type:	application/json	\r\n			
	Cache-Control:	private, max-age	e=0, no-cache\r\n			
	Access-Control	-Allow-Origin: ht	ttp://www.wordref	erence.	com\r\n	
	Access-Control	-Allow-Credentia	ls: true\r\n			
	Transfer-Encod	ing: chunked\r\n				
	Content-Encodi	ng: gzip\r\n				
	\r\n					
	[HTTP response	1/1]				
	[Time since re	quest: 0.19141600	00 seconds]			
	[Request in fr	ame: 978]				\checkmark

WireShark FTP (File Transfer Protocol) Demo

Try it out!

Ξεκινήστε το WireShark

- Επιλέξτε το interface για ανίχνευση
- 🗉 Ξεκινήστε την ανίχνευση 🛛 🔼
- Ανοίξτε ένα command-line παράθυρο

FTP command-line

ftp <u>ftp.hellug.gr</u> (user: anonymous, pass: email address)

💽 Command Prompt - ftp_ftp.hellug.gr

```
Microsoft Windows [Version 10.0.14393]
(c) 2016 Microsoft Corporation. All rights reserved.
```

```
C:\Users\anna<mark></mark>≀ftp ftp.hellug.gr
Connected to tux-cave.hellug.gr.
```

220-

```
220-Welcome to the FTP server of HEL.L.U.G. (http://www.hellug.gr)
220-
```

220-Contact ftpadmin[*] for problems and/or suggestions.

220-220-

```
220-[*] contact address is at hellug dot gr domain,
```

220- username as you see it above

220-220

200 Always in UTF8 mode.

User (tux-cave.hellug.gr:(none)): anonymous

331 Please specity the password.

Password:

230 Login successful.

ftp>

FTP | Get a file

- cd pub/gnutls (change directory)
- get README (file)
- stop capturing

ftp> ftp> cd pub/gnutls

250-More information on GnuTLS can be found at http://www.gnutls.org/ 250-

250 Directory successfully changed.

ftp> get README

- 200 PORT command successful. Consider using PASV.
- 150 Opening BINARY mode data connection for README (67 bytes).
- 226 Transfer complete.

ftp: 67 bytes received in 0.00Seconds 67000.00Kbytes/sec.

ftp≻

Filter: ftp

	*Ether	net							-		
File	Edit	t View Go	Capture Analyze Statist	tics Telephony Wireless	Tools I	Help					
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ſ	ftp Expressio										
No.		Time	Source	Destination	Protocol	Length	Info				
	553	17.309147	195.134.99.74	195.251.234.170	FTP	60	Response:	: 220-			
	555	17.309932	195.134.99.74	195.251.234.170	FTP	302	Response:	: 220-Welcome to th	e FTP s	erve	r of.
	557	17.323962	195.251.234.170	195.134.99.74	FTP	68	Request:	OPTS UTF8 ON			
	559	17.326332	195.134.99.74	195.251.234.170	FTP	80	Response:	: 200 Always in UTF	8 mode.		
	700	20 570170	105 051 004 170	105 134 00 74	CTD	70		UCCD			
> F	Frame	553: 60 byt	es on wire (480 bits),	60 bytes captured (48	0 bits)	on int	erface 0				
> E	Ether	net II, Src:	HewlettP_2a:82:00 (3c	::4a:92:2a:82:00), Dst:	Giga-By	yt_48:1	9:9f (fc:a	a:14:48:19:9f)			
> 1	Inter	net Protocol	Version 4, Src: 195.1	.34.99.74, Dst: 195.251	.234.170	0					
> 1	Transi	mission Cont	rol Protocol, Src Port	:: 21, Dst Port: 60866,	Seq: 1,	, Ack: :	1, Len: 6				
× 1	File 1	Transfer Pro	tocol (FTP)								
	× 220	0-\r\n									
		Response coo	de: Service ready for	new user (220)							
										1	
							T	D nort 21			
								LP POILZI			
							/				
								<u>ell known</u>			

FTP login: username

*Ethernet																		-	-	
Fi	e Eo	lit View	Go	Capture	A	nalyze	Statist	ics T	elephor	ny W	ireless	Tools I	Help							
		10	010	🗙 🖸	9	⇔ ⇒) 😰 i	<u>r</u>			Θ	२, 🎹								
	ftp Expression																			
No		Time		Source				Destina	ation			Protocol	Length	Info						
	55	7 17.323	962	195.25	1.23	4.170		195.1	34.99	.74		FTP	68	Request:	OPTS	UTF8 ON				
	559	9 17.320	5332	195.13	4.99	.74		195.2	51.23	4.170		FTP	80	Response	: 200	Always	in UTF8	mode.		
	70	2 20.579	170	195.25	1.23	4.170		195.1	34.99	.74		FTP	70	Request:	USER	anonymo	us			
	70	3 20.58	755	195.13	4.99	.74		195.2	51.23	4.170		FTP	88	Response	: 331	Please	specify	the p	assw	ord.
	- 03/	<u> </u>	400	105 25	- 22	4 170		105 1	24 00	74		CTD.		D	DACC					
>	Fram	e 702:	70 byt	tes on w	ire	(560 b	oits),	70 by	ytes d	aptur	ed (5	60 bits)	on inte	erface 0						
>	Ethe	rnet II	, Snc:	: Giga-E	yt_4	8:19:9	f (fo	:aa:14	4:48:1	9:9f)	, Dst	: Hewlett	tP_2a:82	2:00 (3c:4	a:92:	2a:82:00	3)			
>	Inte	rnet Pr	otocol	l Versio	n 4,	Snc:	195.2	51.234	4.170,	Dst:	195.	134.99.74	1							
>	Tran	smissio	n Cont	trol Pro	toco	ol, Sro	Port	: 608	66, Ds	t Por	t: 21	, Seq: 15	5, Ack:	281, Len:	16					
~	File	Transf	er Pro	otocol (FTP)							•								
	✓ USER anonymous r\n																			
	Request command: USER																			
	Request arg: anonymous																			

FTP login: password (clear text)

	*Eth	ernet								
Fi	le Ec	lit View Go	Capture Analyze Statist	tics Telephony Wireless	Tools	Help				
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	ftp							×		Expression
No		Time	Source	Destination	Protocol	Length	Info			
	559	9 17.326332	195.134.99.74	195.251.234.170	FTP	80	Response: 200	Always in UTF8	mode.	
Y	70	2 20.579170	195.251.234.170	195.134.99.74	FTP	70	Request: USER	anonymous		
	70	3 20.580755	195.134.99.74	195.251.234.170	FTP	88	Response: 331	Please specify	the pa	ssword.
	930	0 25.619480	195.251.234.170	195.134.99.74	FTP	73	Request: PASS	nets@aueb.gr		
	- 02		105 124 00 74	105 351 334 170	CTD.		D	· · · · · · · · · · · · · · · · · · ·	1	
>	Fram	e 703: 88 byt	es on wire (704 bits),	88 bytes captured (70	04 bits)	on inte	erface 0			
~	Calles -	and TT Care	Unilatto 20.02.00 (2)	. (C1 0	- 40.10		48.10.05		

Ethernet II, Src: HewlettP_2a:82:00 (3c:4a:92:2a:82:00), Dst: Giga-Byt_48:19:9f (fc:aa:14:48:19:9f)

Internet Protocol Version 4, Src: 195.134.99.74, Dst: 195.251.234.170

Transmission Control Protocol, Src Port: 21, Dst Port: 60866, Seq: 281, Ack: 31, Len: 34

File Transfer Protocol (FTP)

✓ 331 Please specify the password.\r\n

Response code: User name okay, need password (331) Response arg: Please specify the password.

Password is

intercepted!!!

	*Ethe	rnet						-	
File	e Edi	t View Go	Capture Analyze St	atistics Telephony Wireless	Tools	Help			
a 🔳 🖉 🐵 📴 🚵 🗳 🍳 🗢 🗢 🗟 🖗 🕹 🚍 🧮 🔍 Q, Q, X, 🖽									
	ftp						\boxtimes	•	Expression
No.		Time	Source	Destination	Protocol	Length	Info		
	559	17.326332	195.134.99.74	195.251.234.170	FTP	80	Response: 200 Always in UTF8 mod	e.	
	702	20.579170	195.251.234.170	195.134.99.74	FTP	70	Request: USER anonymous		
	703	20.580755	195.134.99.74	195.251.234.170	FTP	88	Response: 331 Please specify the	pas	sword.
	930	25.619480	195.251.234.170	195.134.99.74	FTP	73	Request: PASS nets@aueb.gr		
	0.25	25 808000	105 134 00 74	105 351 334 170	CTD.		Deserves 220 Lasta sussesful		
>	Frame Ether	930: 73 byt net II. Src	tes on wire (584 bit : Giga-Bvt 48:19:9f	s), 73 bytes captured (58 (fc:aa:14:48:19:9f), Dst	84 bits) : Hewlet	on inte	erface 0 2:00 (3c:4a:92:2a:82:00)		
5	Inter	net Protoco	l Version 4. Src: 19	5.251.234.170. Dst: 195.	134.99.7	4	(,		
5	Trans	mission Cont	trol Protocol, Src P	ort: 60866, Dst Port: 21	. Sea: 3	1. Ack:	315, Len: 19		
~	File	Transfer Pro	otocol (FTP)	· · · · · · · · · · · · · · · · · · ·	,	-,			
	✓ PA	SS nets@aueb	p.gr\r\n						
		Request com	nmand: PASS						
		Request arg	g: nets@aueb.gr						

Δίκτυα Επικοινωνιών | WireShark

Retrieve file commands

- File Transfer Protocol (FTP)
 - ✓ 200 PORT command successful. Consider using PASV.\r\n Response code: Command okay (200) Response arg: PORT command successful. Consider using PASV.
- Internet Protocol Version 4, Src: 195.251.234.170, Dst: 195.134.99.74
- > Transmission Control Protocol, Src Port: 60866, Dst Port: 21, Seq: 96, Ack: 503, Len: 13
- File Transfer Protocol (FTP)
 - ✓ RETR README\r\n
 - Request command: RETR
 - Request arg: README
- > Internet Protocol Version 4, Src: 195.134.99.74, Dst: 195.251.234.170
- > Transmission Control Protocol, Src Port: 21, Dst Port: 60866, Seq: 503, Ack: 109, Len: 64 Y File Transfer Protocol (FTP)
 - ✓ 150 Opening BINARY mode data connection for README (67 bytes).\r\n Response code: File status okay; about to open data connection (150) Response arg: Opening BINARY mode data connection for README (67 bytes).
- Internet Protocol Version 4, Src: 195.134.99.74, Dst: 195.251.234.170
- > Transmission Control Protocol, Src Port: 21, Dst Port: 60866, Seq: 567, Ack: 109, Len: 24
- ✓ File Transfer Protocol (FTP)
 - ✓ 226 Transfer complete.\r\n
 - Response code: Closing data connection (226)
 - Response arg: Transfer complete.

FTP Protocol

Quit the session

ftp> close 421 limeout. ftp> bye									
	📕 *Eth	ernet							
	File Ec	dit View Go	o Capture A	nalyze Statistic	s Telephony	Wireless Tool	s Help		
	🛋 🔳 ,	1 💿 📘	ि 🔀 🖸 🤇	⇔ ⇒ 😤 👔	§ 🕭 🗮 🔳	କ୍ର୍କ୍ 🏾			
	📕 ftp								
	No.	Time	Source	[Destination	Proto	col Length	Info	
	_ 214	4 5.870441	195.251.23	34.170 1	195.134.99.74	FTP	6	0 Request:	QUIT
	> Fram	e 214: 60 b	ytes on wire	(480 bits),	60 bytes capt	ured (480 bi	ts) on int	erface 0	
	> Ethe	rnet II, Sr	c: Giga-Byt_4	48:19:9f (fc:	aa:14:48:19:9	f), Dst: Hew	lettP_2a:8	2:00 (3c:4	4a:92:2a:82:00)
	> Inte	rnet Protoc	ol Version 4,	, Src: 195.25	1.234.170, Ds	t: 195.134.9	9.74		
	> Tran	smission Co	ntrol Protoco	ol, Src Port:	60866, Dst P	ort: 21, Seq	: 1, Ack:	1, Len: 6	
	Y File	Transfer P	rotocol (FTP))					
	τų	Request co	ommand: QUIT]					

Το traceroute χρησιμοποιεί το πρωτόκολλο ICMP (Internet Control Message Protocol) για να ανακαλύψει τη διαδρομή που ακολουθεί ένα ΙΡ πακέτο από τον τοπικό host προς ένα απομακρυσμένο host: στέλνει μικρά πακέτα με αρχικό TTL=1, και το αυξάνει κατά 1 με κάθε αποστολή πακέτου μέχρι να φτάσει στον τελικό προορισμό. Κάθε φορά που λήγει το TTL, ο κόμβος στον οποίο λήγει, στέλνει πίσω ICMP message (type 11 – TTL-exceeded) μαθαίνουμε την ταυτότητα των ενδιάμεσων δρομολογητών

WireShark Traceroute Demo

Try it out!

Ξεκινήστε το WireShark

- Ανοίξτε ένα παράθυρο με command prompt
- Επιλέξτε το interface για ανίχνευση
- 🗉 Ξεκινήστε την ανίχνευση 🛛 🗖
- Στο command prompt παράθυρο δώστε την εντολή: tracert www.acm.org (windows) ή traceroute www.acm.org (linux, Mac OS)
- Σταματήστε την ανίχνευση 💻

IP protocol Επιλέγουμε το πρώτο ICMP Echo Request μήνυμα

ip-ethereal-trace-1									
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help									
📶 🔳 🖉 🐵 📙 🛅 🔀 🖆 I 🍳 ⇔ 🗢 🕾 🖗 😓 🚍 📵 🍳 🍳 🏛									
Apply a display filter < Ctrl-/>									
No. Time Source Destination Proto Lengt Info									
4 5.363536 192.168.1.100 192.168.1.1 SSDP 174 M-SEARCH * HTTP/1.1									
5 5.364799 192.168.1.100 192.168.1.1 SSDP 175 M-SEARCH * HTTP/1.1									
6 5.864428 192.168.1.100 192.168.1.1 SSDP 174 M-SEARCH * HTTP/1.1									
7 5.865461 192.168.1.100 192.168.1.1 SSDP 175 M-SEARCH * HTTP/1.1									
8 6.163045 192.168.1.102 128.59.23.100 ICMP 98 Echo (ping) request 1a=0x0300, seq=20483/848, ttl=1 (no response found:)									
10 6.188629 192.168.1.102 128.59.23.100 ICMP 98 Echo (ping) request id=0x0300, seq=20739/849, tt]=2 (no response found!)									
11 6.202957 24.218.0.153 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit)									
12 6.208597 192.168.1.102 128.59.23.100 ICMP 98 Echo (ping) request id=0x0300, seq=20995/850, ttl=3 (no response found!)									
13 6 234505 24 128 190 197 192 168 1 102 TCMP 70 Time-to-live exceeded (Time to live exceeded in transit)									
<pre>> Frame 8: 98 bytes on wire (784 bits), 98 bytes captured (784 bits) > Ethernet II, Src: ActiontecEle_8a:70:1a (00:20:e0:8a:70:1a), Dst: LinksysGroup_da:af:73 (00:06:25:da:af:73) Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100 0100 = Version: 4 0101 = Header Length: 20 bytes (5) > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECI)</pre>	0000 00 06 0010 00 54 0020 17 64 0030 aa aa 0040 aa aa 0050 aa aa								
<pre>> Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT) Total Length: 84 Identification: 0x32d0 (13008) > 000 = Flags: 0x0 0 = Reserved bit: Not set0 = Don't fragment: Not set0 0000 0000 = Fragment Offset: 0</pre>									
<pre>> Time to Live: 1 Protocol: ICMP (1) Header Checksum: 0x2d2c [validation disabled] [Header checksum status: Unverified] Source Address: 192.168.1.102 Destination Address: 128.59.23.100 > Internet Control Message Protocol</pre>									
	<								
O 🝸 in the real trace 1 Packets 390. Displayed: 3	20 (100 0%)								

ποια είναι η IP διεύθυνση του υπολογιστή σας;

```
Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
     0100 .... = Version: 4
     .... 0101 = Header Length: 20 bytes (5)
  > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
     Total Length: 84
     Identification: 0x32d0 (13008)
  ✓ 000. .... = Flags: 0x0
        0... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
     ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 1
     Protocol: ICMP (1)
     Header Checksum: 0x2d2c [validation disabled]
     [Header checksum status: Unverified]
     Source Address: 192,168,1,102
     Destination Address: 128,59,23,100
```

μέσα στην επικεφαλίδα, ποιο ανώτερο πρωτόκολλο περιέχεται;

```
Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
   0100 .... = Version: 4
   .... 0101 = Header Length: 20 bytes (5)
 > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
   Total Length: 84
   Identification: 0x32d0 (13008)
✓ 000. .... = Flags: 0x0
      0... = Reserved bit: Not set
      .0.. .... = Don't fragment: Not set
      ..0. .... = More fragments: Not set
   ...0 0000 0000 0000 = Fragment Offset: 0
   Time to Live: 1
   Protocol: ICMP (1)
   Header Checksum: 0x2d2c [validation disabled]
   [Header checksum status: Unverified]
   Source Address: 192,168,1,102
   Destination Address: 128,59,23,100
```

ποιο το μέγεθος (σε bytes) της IP επικεφαλίδας; ποιο το μέγεθος του IP payload;

Y	/ Internet	Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
	0100 .	= Version: 4
	0	101 = Header Length: 20 bytes (5)
	> Differ	entiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
	Total	Length: 84
	Identi	fication: 0x32d0 (13008)
	✓ 000	= Flags: 0x0
	0	= Reserved bit: Not set
	.0.	= Don't fragment: Not set
	0	= More fragments: Not set
	0 0	000 0000 0000 = Fragment Offset: 0
	> Time t	o Live: 1
	Protoc	ol: ICMP (1)
	Header	Checksum: 0x2d2c [validation disabled]
	[Heade	r checksum status: Unverified]
	Source	Address: 192.168.1.102
	Destin	ation Address: 128.59.23.100

payload: 64

έχει γίνει fragmentation; πως το καταλαβαίνουμε;

```
Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
     0100 .... = Version: 4
     .... 0101 = Header Length: 20 bytes (5)
   > Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
     Total Length: 84
     Identification: 0x32d0 (13008)
  ✓ 000. .... = Flags: 0x0
        0... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
     ...0 0000 0000 0000 = Fragment Offset: 0
   Time to Live: 1
     Protocol: ICMP (1)
     Header Checksum: 0x2d2c [validation disabled]
     [Header checksum status: Unverified]
     Source Address: 192,168,1,102
     Destination Address: 128.59.23.100
```

Παρατηρήστε την αλληλουχία των ICMP πακέτων που έχουν σταλεί από τον υπολογιστή σας

ποια πεδία του IP datagram αλλάζουν από το ένα datagram στο άλλο;

traceroute με μέγεθος πακέτου 2000 bytes (για να αναγκάσουμε σε fragmentation)

	132 32.0670 192.168.1.102	199.2.53.206 TCP	62 1483 → 631 [SYN] Seq=0 Win=16384 Len=0 MSS=1460 SACK_PERM
Π	133 33.4517 192.168.1.102	128.59.23.100 IPv4	1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3307) [Reassembled in #134]
•	134 33.4524 192.168.1.102	128.59.23.100 ICMP	562 Echo (ping) request id=0x0300, seq=33795/900, ttl=1 (no response found!)
	135 33.4705 10.216.228.1	192.168.1.102 ICMP	70 Time-to-live exceeded (Time to live exceeded in transit)
	136 33.4778 192.168.1.102	128.59.23.100 IPv4	1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #137]
	137 33.4785 192.168.1.102	128.59.23.100 ICMP	562 Echo (ping) request id=0x0300, seq=34051/901, ttl=2 (no response found!)
	138 33.4976 192.168.1.102	128.59.23.100 IPv4	1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3309) [Reassembled in #139]
	139 33.4983 192.168.1.102	128.59.23.100 ICMP	562 Echo (ping) request id=0x0300, seq=34307/902, ttl=3 (no response found!)
	140 33.5280 192.168.1.102	128.59.23.100 IPv4	1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330a) [Reassembled in #141]
	141 33.5290 192.168.1.102	128.59.23.100 ICMP	562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!)
	142 33.5379 24.218.0.153	192.168.1.102 ICMP	70 Time-to-live exceeded (Time to live exceeded in transit)
Π	143 33.5552 192.168.1.102	128.59.23.100 IPv4	1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #144]
	144 33.5558 192.168.1.102	128.59.23.100 ICMP	562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!)
	145 33.5780 192.168.1.102	128.59.23.100 IPv4	1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146]
	146 33.5787 192.168.1.102	128.59.23.100 ICMP	562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!)
<			

~	Internet Protocol Version 4, Src: 192.168.1.102, Dst: 128.59.23.100
	0100 = Version: 4
	<pre> 0101 = Header Length: 20 bytes (5)</pre>
	> Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
	Total Length: 1500
	Identification: 0x3307 (13063)
	✓ 001 = Flags: 0x1, More fragments
	0 = Reserved bit: Not set
	.0 = Don't fragment: Not set
	1 = More fragments: Set
	0 0000 0000 0000 = Fragment Offset: 0
	> Time to Live: 1
	Protocol: ICMP (1)

Header Checksum: 0x076d [validation disabled] [Header checksum status: Unverified] Source Address: 192.168.1.102 Destination Address: 128.59.23.100 [Reassembled IPv4 in frame: 134]

<pre>134 33.4524_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=33795/900, ttl=1 (no response found!) 135 33.4705_ 10.216.228.1 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 137 33.4778_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34051/901, ttl=2 (no response found!) 138 33.4976_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34051/901, ttl=2 (no response found!) 138 33.4976_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34051/901, ttl=2 (no response found!) 138 33.4976_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34051/902, ttl=3 (no response found!) 140 33.5280_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34367/902, ttl=3 (no response found!) 142 33.5379_ 24.218.0.150 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!) 142 33.5552_ 192.168.1.102 128.59.23.100 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 143 33.5552_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 144 33.5558_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5787_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5787_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 146 33.5787_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 147 33.5980_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 147 33.5787_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 146 33.5787_ 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no res</pre>
135 33.4705… 10.216.228.1 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 136 33.4778… 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #137] 137 33.4785… 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #139] 138 33.4976… 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #139] 140 33.5280… 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #141] 144 33.5280… 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #141] 144 33.5528… 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #144] 144 33.5558… 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34567/903, ttl=4 (no response found!) 144 33.5558… 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=346819/904, ttl=5 (no response found!) 144 33.5578… 192.168.1.102 128.59.23.100 ICMP 562 Echo
<pre>136 33.4778 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3308) [Reassembled in #137] 137 33.4785 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34051/901, ttl=2 (no response found!) 138 33.4976 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34051/902, ttl=3 (no response found!) 140 33.5280 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34563/903, ttl=4 (no response found!) 141 33.5290 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34563/903, ttl=4 (no response found!) 142 33.5379 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34563/903, ttl=4 (no response found!) 142 33.5552 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34563/903, ttl=4 (no response found!) 142 33.5558 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34563/903, ttl=4 (no response found!) 142 33.5578 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34563/903, ttl=4 (no response found!) 143 33.5558 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=34819/904, ttl=5 (no response found!) 144 33.55780 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=345075/905, ttl=6 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=35075/905, ttl=6 (no response found!) 147 53.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x8300, seq=35075/905, ttl=6 (no response found!) 147 53.5980 192.168.1.102 128.59.23.100 ICMP 562</pre>
<pre>137 33.4785 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34051/901, ttl=2 (no response found!) 138 33.4975 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3300) [Reassembled in #139] 149 33.5280 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3300) [Reassembled in #141] 141 33.5290 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3300) [Reassembled in #141] 142 33.5378 24.218.0.153 192.168.1.102 ICMP 562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!) 142 33.5378 24.218.0.153 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 143 33.5552 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #144] 144 33.5558 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #144] 144 33.5558 192.168.1.102 128.59.23.100 IPV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #146] 145 33.5780 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 146 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=30d) [Reassembled in #148] 140 0.0000 = Flags: 0x0 0</pre>
138 33.4976 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=3309) [Reassembled in #139] 139 33.4983 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330a) [Reassembled in #141] 140 33.5280 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330a) [Reassembled in #141] 141 33.5290 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!) 142 33.5520 192.168.1.102 128.59.23.100 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 143 33.5552 192.168.1.102 128.59.23.100 ICMP 552 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 144 33.5558 192.168.1.102 128.59.23.100 ICMP 552 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 ICMP 552 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 ICMP 552 Echo (ping) request i
<pre>139 33.4983 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34307/902, ttl=3 (no response found!) 140 33.5280 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!) 141 33.5290 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!) 142 33.5379 24.218.0.153 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 143 33.5552 192.168.1.102 128.59.23.100 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 144 33.5558 192.168.1.102 128.59.23.100 ICMP 762 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 148 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 148 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 149 33.592 (no request id=0x0300 - co 5530400 - co 5530400 - co 5530400 - co</pre>
<pre>140 33.5280 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330a) [Reassembled in #141] 141 33.5290 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!) 142 33.5379 24.218.0.153 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 143 33.5552 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #144] 144 33.5558 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #144] 144 33.5558 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146] 145 33.5780 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146] 146 33.5787 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #146] 147 33.5980 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 147 33.5980 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5782 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 149 32.5980 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 140 32.5980 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 140 32.5980 192.168.1.102 128.59.23.100 IFV4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 140 32.5980 192.168.1.102 128.59.23.100 IFV4 152 Feb. (siz) executed id 0x0000 executed id 0x0000 executed id 0x0000 executed in #148] 140 32.5980 140 150 feb. 140 feb. 150 feb. 140 f</pre>
141 33.5290 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34563/903, ttl=4 (no response found!) 142 33.5370 24.218.0.153 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 143 33.5552 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #144] 144 33.5558 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 146 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148]
142 33.5379 24.218.0.153 192.168.1.102 ICMP 70 Time-to-live exceeded (Time to live exceeded in transit) 143 33.5552 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #144] 144 33.5558 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146] 146 33.5787 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146] 147 33.5880 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #146] 147 33.5880 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33.5780 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33.5780 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #
<pre>143 33.5552 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330b) [Reassembled in #144] 144 33.5558 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146] 146 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 32.5787 192.168.1.102 IPv4 1514 Fragment 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=300) 149 32.5787.</pre>
<pre>144 33.5558 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=34819/904, ttl=5 (no response found!) 145 33.5780 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146] 146 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33 for 100 for 100 for 100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33 for 100 for 100 for 100 for 100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33 for 100 for 100 for 100 for 100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33 for 100 for 100 for 100 for 100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33 for 100 f</pre>
<pre>145 33.5780 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330c) [Reassembled in #146] 146 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 148 33 5787 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 149 33 5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 149 33 5980 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 149 33 5980 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 149 33 5980 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 140 33 5980 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 140 33 5980 192.168.1.102 128.59.23.100 IFv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 140 33 5980 = Flags: 0x0 0 = Reserved bit: Not set0 0000 1011 1001 = Fragment Offset: 1480 7 Time to Live: 1 Protocol: ICMP (1)</pre>
146 33.5787 192.168.1.102 128.59.23.100 ICMP 562 Echo (ping) request id=0x0300, seq=35075/905, ttl=6 (no response found!) 147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] (Identification: 0x3307 (13063) V 000 = Flags: 0x0 0 = Reserved bit: Not set 0 0000 1011 1001 = Fragment: Not set 0 0000 1011 1001 = Fragment Offset: 1480) Time to Live: 1 Protocol: ICMP (1)
<pre>147 33.5980 192.168.1.102 128.59.23.100 IPv4 1514 Fragmented IP protocol (proto=ICMP 1, off=0, ID=330d) [Reassembled in #148] 142 32 5022 102 102 102 102 102 102 102 100 1000 Identification: 0x3307 (13063) 100 = Flags: 0x0 0 = Flags: 0x0 0 = Beserved bit: Not set0 0000 1011 1001 = Fragment: Not set0 0000 1011 1001 = Fragment Offset: 1480 Time to Live: 1 Protocol: ICMP (1)</pre>
<pre> Identification: 0x3307 (13063) V 000 = Flags: 0x0 0 = Reserved bit: Not set 0 = More fragments: Not set 0 0000 1011 1001 = Fragment Offset: 1480 Time to Live: 1 Protocol: ICMP (1) </pre>
<pre>Identification: 0x3307 (13063)</pre>
<pre>// Identification: 0x3307 (13063) /* 000 = Flags: 0x0 0 = Reserved bit: Not set .0 = Don't fragment: Not set .0 = More fragments: Not set 0 0000 1011 1001 = Fragment Offset: 1480 /* Time to Live: 1 Protocol: ICMP (1)</pre>
<pre>> 000 = Flags: 0x0 0 = Reserved bit: Not set .0 = Don't fragment: Not set 0 = More fragments: Not set 0 0000 1011 1001 = Fragment Offset: 1480 > Time to Live: 1 Protocol: ICMP (1)</pre>
<pre>0 = Reserved Dit: Not set .0 = Don't fragment: Not set 0 = More fragments: Not set 0 0000 1011 1001 = Fragment Offset: 1480 > Time to Live: 1 Protocol: ICMP (1)</pre>
<pre>.0 = Don't Tragment: Not set 0 = More fragments: Not set 0 0000 1011 1001 = Fragment Offset: 1480 > Time to Live: 1 Protocol: ICMP (1)</pre>
0 0000 1011 1001 = Fragment Offset: 1480 > Time to Live: 1 Protocol: ICMP (1)
<pre>> Time to Live: 1 Protocol: ICMP (1)</pre>
Protocol: ICMP (1)
Header Checksum: 0x2a6c [validation disabled]
[Header checksum status: Unverified]
Source Address: 192 168 1 102
Destination Address: 128 59 23 100
[2] TPv4 Eragments (2008 bytes): #133(1480), #134(528)]
[Frame: 133, pavload: 0-1479 (1480 bytes)]
[Frame: 134, pavload: 1480-2007 (528 bytes)]
[Fragment count: 2]
[Reassembled IPv4 length: 2008]
[Reassembled IPv4 data [truncated]: 0800c3c503008403373720aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa