

[illegible]

The image shows a Wireshark packet capture analysis of an ICMP Echo (ping) request and reply. The top pane displays the packet list, the middle pane shows the packet details, and the bottom pane displays the packet bytes.

Packet List:

No.	Time	Source	Destination	Protocol	Length	Info
478	23.5748420	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) request
483	23.5773410	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
489	24.5761110	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) request
508	24.5793180	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
526	25.5774960	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) request
532	25.5804450	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
543	26.5785410	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) request
546	26.5799960	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
572	27.5781410	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) request
560	27.5826440	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
572	28.5801410	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) request
583	28.5831990	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
589	29.5836100	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) request
594	29.5831990	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
604	30.5821380	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) request
605	30.5821380	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply
605	31.5808210	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) request
607	32.5841580	10.2.1.109	143.89.14.34	ICMP	74	Echo (ping) reply
681	32.8337460	143.89.14.34	10.2.1.109	ICMP	74	Echo (ping) reply

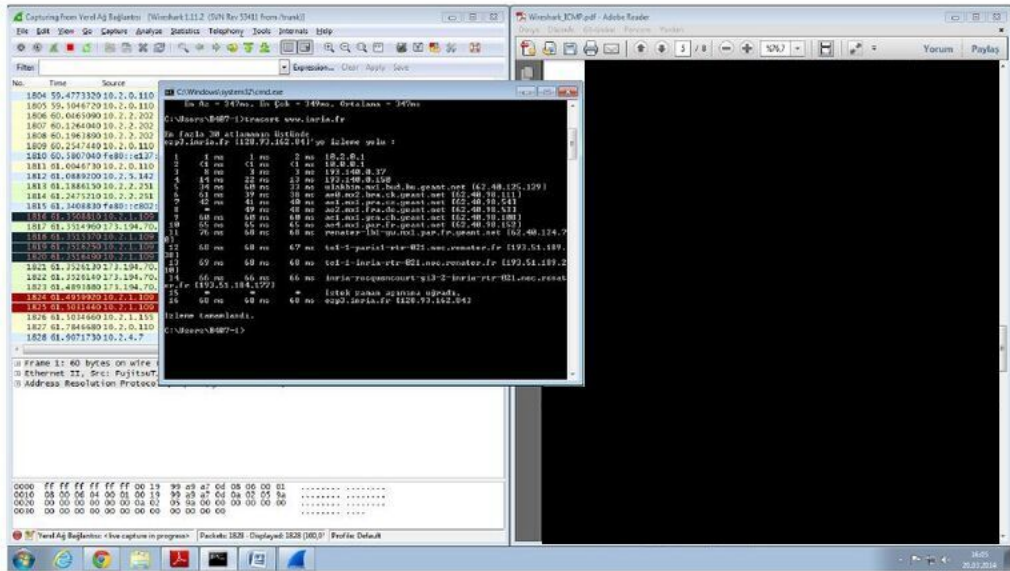
Packet Details:

Internet Protocol Version 4, Src: 143.89.14.34 [143.89.14.34], Dst: 10.2.1.109 [10.2.1.109]
 Internet Control Message Protocol
 Type: 0 (Echo (ping) reply)
 Code: 0
 Checksum: 0x11a [correct]
 Identifier (id): 1 (0x0001)
 Identifier (id): 256 (0x0100)
 Sequence number (seq): 1 (0x0001)
 Sequence number (seq): 256 (0x0100)
 Fragment frame: 12
 Response time: 287.540 ms
 Data (22 bytes)

Packet Bytes:

```
0000 88 15 f0 70 a5 c0 44 3e | 26 07 00 00 00 45 00 | .D..D..&...E..
0010 16 3c 32 32 49 00 0c 01 | c8 05 8f 58 9e 22 0a | ..16..<...&...
0020 91 68 00 00 16 5a 00 01 | 08 09 61 62 63 64 65 | ..m..12...abdefg
0030 01 68 40 4a 4b 8c 6d 6e | 4f 70 71 72 73 74 75 | ..16..&...h...i...
0040 77 01 62 61 62 63 64 65 | 66 67 68 69 6a 6b 6c | ..w..12...abdefgh
0050 6d 6e 6f 70 71 72 73 74 | 75 76 77 78 79 7a 7b | ..i...j...k...l...
0060 7c 7d 7e 7f 80 81 82 83 | 84 85 86 87 88 89 8a | ..m...n...o...p...
0070 8b 8c 8d 8e 8f 90 91 92 | 93 94 95 96 97 98 99 | ..q...r...s...t...
0080 9a 9b 9c 9d 9e 9f a0 a1 | a2 a3 a4 a5 a6 a7 a8 | ..u...v...w...x...
0090 a9 aa ab ac ad ae af b0 | b1 b2 b3 b4 b5 b6 b7 | ..y...z...{...|...
00a0 b8 b9 ba bb bc bd be bf | c0 c1 c2 c3 c4 c5 c6 | .._...`...a...b...
00b0 c7 c8 c9 ca cb cc cd ce | cf d0 d1 d2 d3 d4 d5 | ..c...d...e...f...
00c0 d6 d7 d8 d9 da db dc dd | de df e0 e1 e2 e3 e4 | ..g...h...i...j...
00d0 e5 e6 e7 e8 e9 ea eb ec | ed ee ef f0 f1 f2 f3 | ..k...l...m...n...
00e0 f4 f5 f6 f7 f8 f9 fa fb | fc fd fe ff 00 00 00 | ..o...p...q...r...
00f0 01 02 03 04 05 06 07 08 | 09 0a 0b 0c 0d 0e 0f | ..s...t...u...v...
0100 10 11 12 13 14 15 16 17 | 18 19 1a 1b 1c 1d 1e | ..w...x...y...z...
0110 1f 20 21 22 23 24 25 26 | 27 28 29 2a 2b 2c 2d | ..{...|...}...~...
0120 2e 2f 30 31 32 33 34 35 | 36 37 38 39 3a 3b 3c | .._...`...a...b...
0130 3d 3e 3f 40 41 42 43 44 | 45 46 47 48 49 4a 4b | ..c...d...e...f...
0140 4c 4d 4e 4f 50 51 52 53 | 54 55 56 57 58 59 5a | ..g...h...i...j...
0150 5b 5c 5d 5e 5f 60 61 62 | 63 64 65 66 67 68 69 | ..k...l...m...n...
0160 6a 6b 6c 6d 6e 6f 70 71 | 72 73 74 75 76 77 78 | ..o...p...q...r...
0170 79 7a 7b 7c 7d 7e 7f 80 | 81 82 83 84 85 86 87 | ..s...t...u...v...
0180 88 89 8a 8b 8c 8d 8e 8f | 90 91 92 93 94 95 96 | ..w...x...y...z...
0190 97 98 99 9a 9b 9c 9d 9e | 9f a0 a1 a2 a3 a4 a5 | ..{...|...}...~...
01a0 a6 a7 a8 a9 aa ab ac ad | ae af b0 b1 b2 b3 b4 | .._...`...a...b...
01b0 b5 b6 b7 b8 b9 ba bb bc | bd be bf c0 c1 c2 c3 | ..c...d...e...f...
01c0 c4 c5 c6 c7 c8 c9 ca cb | cc cd ce cf d0 d1 d2 | ..g...h...i...j...
01d0 d3 d4 d5 d6 d7 d8 d9 da | db dc dd de df e0 e1 | ..k...l...m...n...
01e0 e2 e3 e4 e5 e6 e7 e8 e9 | ea eb ec ed ee ef f0 | ..o...p...q...r...
01f0 f1 f2 f3 f4 f5 f6 f7 f8 | f9 fa fb fc fd fe ff | ..s...t...u...v...
0200 00 00 00 00 00 00 00 00 | 00 00 00 00 00 00 00 | ..w...x...y...z...
0210 01 02 03 04 05 06 07 08 | 09 0a 0b 0c 0d 0e 0f | ..{...|...}...~...
0220 10 11 12 13 14 15 16 17 | 18 19 1a 1b 1c 1d 1e | .._...`...a...b...
0230 1f 20 21 22 23 24 25 26 | 27 28 29
```

5)



Microsoft Windows [Sürüm 6.1.7601]

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C:\Users\B407-1>ping -n 10 www.ust.hk

www.ust.hk [143.89.14.34] yoklanıyor32 bayt veri ile:

143.89.14.34 cevabı: bayt=32 süre=347ms TTL=236

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143.89.14.34 için Ping istatistiği:

Paket: Giden = 10, Gelen = 10, Kaybolan = 0 (%0 kayıp),

Mili saniye türünden yaklaşık tur süreleri:

En Az = 347ms, En Çok = 349ms, Ortalama = 347ms

C:\Users\B407-1>tracert www.inria.fr

En fazla 30 atlamanın üstünde

ezp3.inria.fr [128.93.162.84]'ye izleme yolu :

```
 1  1 ms   1 ms   2 ms  10.2.0.1
 2  <1 ms  <1 ms  <1 ms 10.0.0.1
 3   8 ms   3 ms   3 ms 193.140.0.37
 4  14 ms  22 ms  13 ms 193.140.0.150
 5  34 ms  60 ms  33 ms ulakbim.mx1.bud.hu.geant.net [62.40.125.129]
 6  61 ms  39 ms  38 ms ae0.mx2.bra.sk.geant.net [62.40.98.111]
 7  42 ms  41 ms  40 ms ae1.mx1.pra.cz.geant.net [62.40.98.54]
 8   *    49 ms  48 ms ae2.mx1.fra.de.geant.net [62.40.98.53]
 9  60 ms  60 ms  60 ms ae1.mx1.gen.ch.geant.net [62.40.98.108]
10  65 ms  65 ms  65 ms ae4.mx1.par.fr.geant.net [62.40.98.152]
11  76 ms  68 ms  68 ms renater-lb1-gw.mx1.par.fr.geant.net [62.40.124.7
0]
12  68 ms  68 ms  67 ms te1-1-paris1-rtr-021.noc.renater.fr [193.51.189.
38]
13  69 ms  68 ms  68 ms te1-1-inria-rtr-021.noc.renater.fr [193.51.189.2
10]
```

14 66 ms 66 ms 66 ms inria-rocquencourt-gi3-2-inria-rtr-021.noc.renater.fr [193.51.184.177]

15 * * * İstek zaman aşımına uğradı.

16 68 ms 68 ms 68 ms ezp3.inria.fr [128.93.162.84]

İzleme tamamlandı.

C:\Users\B407-1>