

Γραμμή εντολών

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Microsoft Windows [Version 10.0.19041.572]
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C:\Users\Admin>tracert www.acm.org

Tracing route to www.acm.org [2001:1af8:4700:a158:121:0:1:114]
over a maximum of 30 hops:

  1      1 ms      1 ms      1 ms  2a02:587:1f04:2a6f:72f8:2bff:fe5b:b800
  2      *        *        *      Request timed out.
  3      *        *        *      Request timed out.
  4      *        *        *      Request timed out.
  5      *       18 ms      *      2a00:1cb8:1::1b6
  6     53 ms      *      53 ms  2a00:1cb8:1::e6
  7     53 ms     53 ms     53 ms  2a03:2280:36::82
  8     53 ms     54 ms     53 ms  2a03:2280:36::68
  9     54 ms     55 ms     53 ms  2a03:2280:38::83
 10     53 ms     53 ms     54 ms  2001:1af8:4700:0:81:17:34:23
 11     54 ms     54 ms     54 ms  2a07:3b80:3::2
 12     53 ms     53 ms     53 ms  2001:1af8:4700:a03f::b
 13     52 ms     54 ms     54 ms  2001:1af8:4700:a158:121:0:1:114

Trace complete.

C:\Users\Admin>
```

## Ερωτήσεις

1. Χρονική διάρκεια ανίχνευσης: 127.845683

2. Πρωτόκολλα

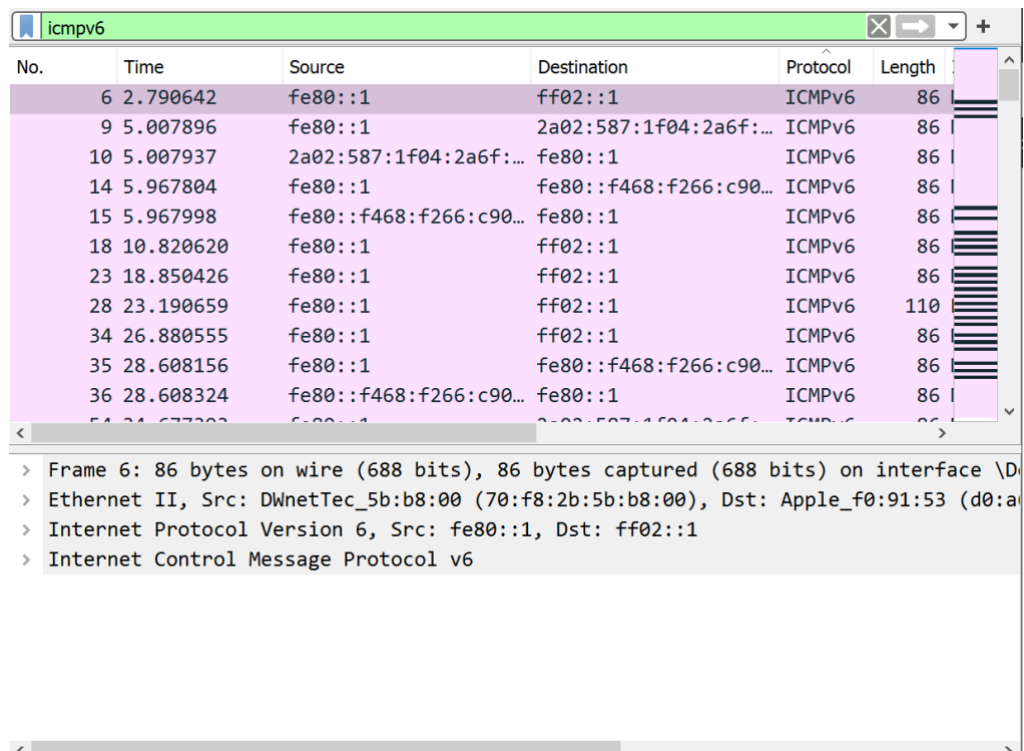
ARP, DNS, ICMPv6, LLMNR, SSDP, TCP, TLSV1.2, UDP

Επίπεδο 2: Ζεύξης	Επίπεδο 3: Δικτύου	Επίπεδο 4: Μεταφοράς	Επίπεδο 6: Παρουσίασης	Επίπεδο 7: Εφαρμογών
ARP	ICMPv6	SSDP	TLSV1.2	DNS
		TCP		LLMNR
		UDP		

3. Το DNS χρησιμοποιεί TCP, UDP

Το LLMNR χρησιμοποιεί TCP, UDP

4. Βάζεις σαν φίλτρο το όνομα icmp (στη περίπτωση μας ψάχνοντας το icmpv6)



No.	Time	Source	Destination	Protocol	Length
6	2.790642	fe80::1	ff02::1	ICMPv6	86
9	5.007896	fe80::1	2a02:587:1f04:2a6f:...	ICMPv6	86
10	5.007937	2a02:587:1f04:2a6f:...	fe80::1	ICMPv6	86
14	5.967804	fe80::1	fe80::f468:f266:c90...	ICMPv6	86
15	5.967998	fe80::f468:f266:c90...	fe80::1	ICMPv6	86
18	10.820620	fe80::1	ff02::1	ICMPv6	86
23	18.850426	fe80::1	ff02::1	ICMPv6	86
28	23.190659	fe80::1	ff02::1	ICMPv6	110
34	26.880555	fe80::1	ff02::1	ICMPv6	86
35	28.608156	fe80::1	fe80::f468:f266:c90...	ICMPv6	86
36	28.608324	fe80::f468:f266:c90...	fe80::1	ICMPv6	86

> Frame 6: 86 bytes on wire (688 bits), 86 bytes captured (688 bits) on interface \D  
> Ethernet II, Src: DwnetTec\_5b:b8:00 (70:f8:2b:5b:b8:00), Dst: Apple\_f0:91:53 (d0:a  
> Internet Protocol Version 6, Src: fe80::1, Dst: ff02::1  
> Internet Control Message Protocol v6

5. a. Destination Address: 2001:1af8:4700:a158:121:0:1:115  
b. Hop limit: 128  
c. Data (32 bytes)
6. a. Destination Address: 2a02:587:1f04:2a6f:adab:dde9:c2c7:b4ef  
b. Source Address: 2a02:587:1f04:2a6f:72f8:2bff:fe5b:b800

7. IP διευθύνσεις των ICMP Time Exceeded:

Source Address: 2a02:587:1f04:2a6f:72f8:2bff:fe5b:b800

Source Address: 2a02:580:50da:a9::

Source Address: 2a00:1cb8:1::36

Source Address: 2a00:1cb8:1::e6

Source Address: 2a03:2280:36::82

Source Address: 2a03:2280:36::68

Source Address: 2a03:2280:38::117

Source Address: 2001:1af8:4700:0:81:17:34:17

Source Address: 2a07:3b80:3::3

Source Address: 2001:1af8:4700:a03f::a

Ναι, υπάρχει αντιστοιχία με τις διευθύνσεις του cmd εκτός από τη διεύθυνση 2001:1af8:4700:a158:121:0:1:115 που υπάρχει μόνο στο cmd.