

| No. | Time | Source | Destination | Protocol | Length | Info |
|-----|--------------------|----------|-------------|----------|--------|--|
| 2 | 22:44:33.850346083 | 10.0.2.1 | 10.0.2.15 | DNS | 182 | Standard query response 0xe236 NS umass.edu NS ns1.umass.edu NS ns3.umass.edu NS ns2.umass.edu A 128.119.10.28 A 69.16.40.18 A 128.119.10.27 OPT |

Frame 2: 182 bytes on wire (1456 bits), 182 bytes captured (1456 bits) on interface eth0, id 0
Ethernet II, Src: 52:54:00:12:35:00 (52:54:00:12:35:00), Dst: PCSSystemtec_ad:25:87 (08:00:27:ad:25:87)
Internet Protocol Version 4, Src: 10.0.2.1, Dst: 10.0.2.15
User Datagram Protocol, Src Port: 53, Dst Port: 52059
Domain Name System (response)
Transaction ID: 0xe236
Flags: 0x8180 Standard query response, No error
1... .. = Response: Message is a response
.000 0... .. = Opcode: Standard query (0)
.... .0... .. = Authoritative: Server is not an authority for domain
.... ..0. = Truncated: Message is not truncated
.... ...1 = Recursion desired: Do query recursively
....1... .. = Recursion available: Server can do recursive queries
....0... .. = Z: reserved (0)
....0. = Answer authenticated: Answer/authority portion was not authenticated by the server
....0 = Non-authenticated data: Unacceptable
.... 0000 = Reply code: No error (0)
Questions: 1
Answer RRs: 3
Authority RRs: 0
Additional RRs: 4
Queries
umass.edu: type NS, class IN
Answers
umass.edu: type NS, class IN, ns ns1.umass.edu
Name: umass.edu
Type: NS (2) (authoritative Name Server)
Class: IN (0x0001)
Time to live: 1723 (28 minutes, 43 seconds)
Data length: 6
Name Server: ns1.umass.edu
umass.edu: type NS, class IN, ns ns3.umass.edu
Name: umass.edu
Type: NS (2) (authoritative Name Server)
Class: IN (0x0001)
Time to live: 1723 (28 minutes, 43 seconds)
Data length: 6
Name Server: ns3.umass.edu
umass.edu: type NS, class IN, ns ns2.umass.edu
Name: umass.edu
Type: NS (2) (authoritative Name Server)
Class: IN (0x0001)
Time to live: 1723 (28 minutes, 43 seconds)
Data length: 6
Name Server: ns2.umass.edu
Additional records
ns2.umass.edu: type A, class IN, addr 128.119.10.28
Name: ns2.umass.edu
Type: A (1) (Host Address)
Class: IN (0x0001)
Time to live: 1723 (28 minutes, 43 seconds)
Data length: 4
Address: 128.119.10.28
ns3.umass.edu: type A, class IN, addr 69.16.40.18
Name: ns3.umass.edu
Type: A (1) (Host Address)
Class: IN (0x0001)
Time to live: 1723 (28 minutes, 43 seconds)
Data length: 4
Address: 69.16.40.18
ns1.umass.edu: type A, class IN, addr 128.119.10.27
Name: ns1.umass.edu
Type: A (1) (Host Address)
Class: IN (0x0001)
Time to live: 1723 (28 minutes, 43 seconds)
Data length: 4
Address: 128.119.10.27
<Root>: type OPT
Name: <Root>
Type: OPT (41)
UDP payload size: 65494

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Higher bits in extended RCODE: 0x00
EDNS0 version: 0
Z: 0x0000
  0... .... = DO bit: Cannot handle DNSSEC security RRs
  .000 0000 0000 0000 = Reserved: 0x0000
Data length: 0
[Request In: 1]
[Time: 0.000751375 seconds]
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