

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	192.168.1.144	192.168.1.1	DNS	67	Standard query 0xc caf A mit.edu

Frame 1: 67 bytes on wire (536 bits), 67 bytes captured (536 bits) on interface 0
Interface id: 0 (enp4s0f2)
Encapsulation type: Ethernet (1)
Arrival Time: Mar 14, 2020 13:24:11.727804134 EET
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1584185051.727804134 seconds
[Time delta from previous captured frame: 0.000000000 seconds]
[Time delta from previous displayed frame: 0.000000000 seconds]
[Time since reference or first frame: 0.000000000 seconds]
Frame Number: 1
Frame Length: 67 bytes (536 bits)
Capture Length: 67 bytes (536 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dns]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: AsustekC_20:af:fb (30:85:a9:20:af:fb), Dst: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Destination: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Source: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.144, Dst: 192.168.1.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 53
Identification: 0x6648 (26184)
Flags: 0x4000, Don't fragment
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x508e [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.144
Destination: 192.168.1.1
User Datagram Protocol, Src Port: 59184, Dst Port: 53
Source Port: 59184
Destination Port: 53
Length: 33
Checksum: 0xe ff7 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
Domain Name System (query)
Transaction ID: 0xc caf
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
mit.edu: type A, class IN
[Response In: 3]

No.	Time	Source	Destination	Protocol	Length	Info
2	0.000271102	192.168.1.144	192.168.1.1	DNS	67	Standard query 0x0e 4b AAAA mit.edu

Frame 2: 67 bytes on wire (536 bits), 67 bytes captured (536 bits) on interface 0
Interface id: 0 (enp4s0f2)
Encapsulation type: Ethernet (1)
Arrival Time: Mar 14, 2020 13:24:11.728075236 EET
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1584185051.728075236 seconds
[Time delta from previous captured frame: 0.000271102 seconds]
[Time delta from previous displayed frame: 0.000271102 seconds]
[Time since reference or first frame: 0.000271102 seconds]
Frame Number: 2
Frame Length: 67 bytes (536 bits)
Capture Length: 67 bytes (536 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dns]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: AsustekC_20:af:fb (30:85:a9:20:af:fb), Dst: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Destination: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Source: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.1.144, Dst: 192.168.1.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 53
Identification: 0x6649 (26185)
Flags: 0x4000, Don't fragment
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x508d [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.144
Destination: 192.168.1.1

User Datagram Protocol, Src Port: 42161, Dst Port: 53
Source Port: 42161
Destination Port: 53
Length: 33
Checksum: 0xd5db [unverified]
[Checksum Status: Unverified]
[Stream index: 1]

Domain Name System (query)
Transaction ID: 0x0e4b
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
mit.edu: type AAAA, class IN
[Response In: 4]

No.	Time	Source	Destination	Protocol	Length	Info
3	0.003086801	192.168.1.1	192.168.1.144	DNS	378	Standard query response

0xcacf A mit.edu A 104.124.155.161 NS use5.akam.net NS asia1.akam.net NS eur5.akam.net NS usw2.akam.net NS
ns1-173.akam.net NS use2.akam.net NS asia2.akam.net NS ns1-37.akam.net A 23.74.25.64 A 96.7.49.64 A
2.16.40.64 A 184.26.161.64 A 95.100.175.64 A 95.101.36.64 A 193.108.91.37 A 193.108.91.173

Frame 3: 378 bytes on wire (3024 bits), 378 bytes captured (3024 bits) on interface 0
Interface id: 0 (enp4s0f2)
Encapsulation type: Ethernet (1)
Arrival Time: Mar 14, 2020 13:24:11.730890935 EET
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1584185051.730890935 seconds
[Time delta from previous captured frame: 0.002815699 seconds]
[Time delta from previous displayed frame: 0.002815699 seconds]
[Time since reference or first frame: 0.003086801 seconds]
Frame Number: 3
Frame Length: 378 bytes (3024 bits)
Capture Length: 378 bytes (3024 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dns]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49), Dst: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Destination: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Source: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.144
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 364
Identification: 0x0000 (0)
Flags: 0x4000, Don't fragment
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xb59f [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.1

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Destination: 192.168.1.144
User Datagram Protocol, Src Port: 53, Dst Port: 59184
Source Port: 53
Destination Port: 59184
Length: 344
Checksum: 0x5ef9 [unverified]
[Checksum Status: Unverified]
[Stream index: 0]
Domain Name System (response)
Transaction ID: 0xc caf
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 1
Authority RRs: 8
Additional RRs: 8
Queries
    mit.edu: type A, class IN
Answers
Authoritative nameservers
Additional records
[Request In: 1]
[Time: 0.003086801 seconds]
No.      Time          Source          Destination          Protocol Length Info
   4 0.004001316 192.168.1.1      192.168.1.144        DNS          418      Standard query response
0x0e4b AAAA mit.edu AAAA 2a02:26f0:11a:18c::255e AAAA 2a02:26f0:11a:1a3::255e NS ns1-173.akam.net NS
asia2.akam.net NS use2.akam.net NS eur5.akam.net NS usw2.akam.net NS asia1.akam.net NS use5.akam.net NS
ns1-37.akam.net A 23.74.25.64 A 96.7.49.64 A 2.16.40.64 A 184.26.161.64 A 95.100.175.64 A 95.101.36.64 A
193.108.91.37 A 193.108.91.173
Frame 4: 418 bytes on wire (3344 bits), 418 bytes captured (3344 bits) on interface 0
Interface id: 0 (enp4s0f2)
Encapsulation type: Ethernet (1)
Arrival Time: Mar 14, 2020 13:24:11.731805450 EET
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1584185051.731805450 seconds
[Time delta from previous captured frame: 0.000914515 seconds]
[Time delta from previous displayed frame: 0.000914515 seconds]
[Time since reference or first frame: 0.004001316 seconds]
Frame Number: 4
Frame Length: 418 bytes (3344 bits)
Capture Length: 418 bytes (3344 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dns]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49), Dst: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Destination: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Source: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.144
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
    0000 00.. = Differentiated Services Codepoint: Default (0)
    .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 404
Identification: 0x0000 (0)
Flags: 0x4000, Don't fragment
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xb577 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.1
Destination: 192.168.1.144
User Datagram Protocol, Src Port: 53, Dst Port: 42161
Source Port: 53
Destination Port: 42161
Length: 384
Checksum: 0x2509 [unverified]
[Checksum Status: Unverified]
[Stream index: 1]
Domain Name System (response)
Transaction ID: 0x0e4b
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 2
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Authority RRs: 8
Additional RRs: 8
Queries
 mit.edu: type AAAA, class IN
Answers
Authoritative nameservers
Additional records
[Request In: 2]
[Time: 0.003730214 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
	5 0.006014538	192.168.1.144	104.124.155.161	DNS	70	Standard query 0xdbf9 A

\342\200\223type=NS

Frame 5: 70 bytes on wire (560 bits), 70 bytes captured (560 bits) on interface 0

Interface id: 0 (enp4s0f2)
Encapsulation type: Ethernet (1)
Arrival Time: Mar 14, 2020 13:24:11.733818672 EET
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1584185051.733818672 seconds
[Time delta from previous captured frame: 0.002013222 seconds]
[Time delta from previous displayed frame: 0.002013222 seconds]
[Time since reference or first frame: 0.006014538 seconds]
Frame Number: 5
Frame Length: 70 bytes (560 bits)
Capture Length: 70 bytes (560 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dns]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]

Ethernet II, Src: AsustekC_20:af:fb (30:85:a9:20:af:fb), Dst: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Destination: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Source: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.1.144, Dst: 104.124.155.161

0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
 0000 00.. = Differentiated Services Codepoint: Default (0)
 00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 56
Identification: 0x1afc (6908)
Flags: 0x0000
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x9963 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.144
Destination: 104.124.155.161

User Datagram Protocol, Src Port: 33060, Dst Port: 53

Source Port: 33060
Destination Port: 53
Length: 36
Checksum: 0xda56 [unverified]
[Checksum Status: Unverified]
[Stream index: 2]

Domain Name System (query)

Transaction ID: 0xdbf9
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries

\342\200\223type=NS: type A, class IN

No.	Time	Source	Destination	Protocol	Length	Info
	10 7.006363881	192.168.1.144	104.124.155.161	DNS	70	Standard query 0xdbf9 A

\342\200\223type=NS

Frame 10: 70 bytes on wire (560 bits), 70 bytes captured (560 bits) on interface 0

Interface id: 0 (enp4s0f2)
Encapsulation type: Ethernet (1)
Arrival Time: Mar 14, 2020 13:24:18.734168015 EET
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1584185058.734168015 seconds
[Time delta from previous captured frame: 0.261778997 seconds]
[Time delta from previous displayed frame: 7.000349343 seconds]
[Time since reference or first frame: 7.006363881 seconds]

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Frame Number: 10
Frame Length: 70 bytes (560 bits)
Capture Length: 70 bytes (560 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:udp:dns]
[Coloring Rule Name: UDP]
[Coloring Rule String: udp]
Ethernet II, Src: AsustekC_20:af:fb (30:85:a9:20:af:fb), Dst: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Destination: 44:8a:5d:9f:a6:49 (44:8a:5d:9f:a6:49)
Source: AsustekC_20:af:fb (30:85:a9:20:af:fb)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.144, Dst: 104.124.155.161
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
0000 00.. = Differentiated Services Codepoint: Default (0)
.... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
Total Length: 56
Identification: 0x1d2e (7470)
Flags: 0x0000
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x9731 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.144
Destination: 104.124.155.161
User Datagram Protocol, Src Port: 33060, Dst Port: 53
Source Port: 33060
Destination Port: 53
Length: 36
Checksum: 0xda56 [unverified]
[Checksum Status: Unverified]
[Stream index: 2]
Domain Name System (query)
Transaction ID: 0xdbf9
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
  \342\200\223type=NS: type A, class IN
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