


```
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 255
Identification: 0x0000 (0)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xb610 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.1
Destination: 192.168.1.140
User Datagram Protocol, Src Port: 53, Dst Port: 44994
Domain Name System (response)
  Transaction ID: 0x4aef
  Flags: 0x8180 Standard query response, No error
  Questions: 1
  Answer RRs: 2
  Authority RRs: 4
  Additional RRs: 4
  Queries
  Answers
    beacons.gcp.gvt2.com: type CNAME, class IN, cname beacons-handoff.gcp.gvt2.com
    beacons-handoff.gcp.gvt2.com: type A, class IN, addr 172.217.20.195
  Authoritative nameservers
    gvt2.com: type NS, class IN, ns ns1.google.com
    gvt2.com: type NS, class IN, ns ns3.google.com
    gvt2.com: type NS, class IN, ns ns2.google.com
    gvt2.com: type NS, class IN, ns ns4.google.com
  Additional records
    ns1.google.com: type A, class IN, addr 216.239.32.10
    ns2.google.com: type A, class IN, addr 216.239.34.10
    ns3.google.com: type A, class IN, addr 216.239.36.10
    ns4.google.com: type A, class IN, addr 216.239.38.10
  [Request In: 10]
  [Time: 0.003405968 seconds]
No.      Time      Source      Destination      Protocol Length Info
  12 4.613428389 192.168.1.140 192.168.1.1      DNS      87      Standard query 0xf234 A
safebrowsing.googleapis.com
Frame 12: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface wlo1, id 0
  Interface id: 0 (wlo1)
  Encapsulation type: Ethernet (1)
  Arrival Time: May 16, 2020 10:28:42.350385473 EEST
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1589614122.350385473 seconds
  [Time delta from previous captured frame: 0.001164380 seconds]
  [Time delta from previous displayed frame: 0.001164380 seconds]
  [Time since reference or first frame: 4.613428389 seconds]
  Frame Number: 12
  Frame Length: 87 bytes (696 bits)
  Capture Length: 87 bytes (696 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
  Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
  Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 192.168.1.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 73
  Identification: 0x3e09 (15881)
  Flags: 0x4000, Don't fragment
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x78bd [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.1.140
  Destination: 192.168.1.1
User Datagram Protocol, Src Port: 58097, Dst Port: 53
Domain Name System (query)
```

Transaction ID: 0xf234
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
[Response In: 13]

No.	Time	Source	Destination	Protocol	Length	Info
13	4.615832201	192.168.1.1	192.168.1.140	DNS	246	Standard query response

0xf234 A safebrowsing.googleapis.com A 172.217.20.202 NS ns2.google.com NS ns4.google.com NS ns3.google.com NS ns1.google.com A 216.239.32.10 A 216.239.34.10 A 216.239.36.10 A 216.239.38.10
Frame 13: 246 bytes on wire (1968 bits), 246 bytes captured (1968 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:42.352789285 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614122.352789285 seconds
[Time delta from previous captured frame: 0.002403812 seconds]
[Time delta from previous displayed frame: 0.002403812 seconds]
[Time since reference or first frame: 4.615832201 seconds]
Frame Number: 13
Frame Length: 246 bytes (1968 bits)
Capture Length: 246 bytes (1968 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: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Destination: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Source: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.140
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 232
Identification: 0x0000 (0)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xb627 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.1
Destination: 192.168.1.140
User Datagram Protocol, Src Port: 53, Dst Port: 58097
Domain Name System (response)
Transaction ID: 0xf234
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 1
Authority RRs: 4
Additional RRs: 4
Queries
Answers
safebrowsing.googleapis.com: type A, class IN, addr 172.217.20.202
Authoritative nameservers
googleapis.com: type NS, class IN, ns ns2.google.com
googleapis.com: type NS, class IN, ns ns4.google.com
googleapis.com: type NS, class IN, ns ns3.google.com
googleapis.com: type NS, class IN, ns ns1.google.com
Additional records
ns1.google.com: type A, class IN, addr 216.239.32.10
ns2.google.com: type A, class IN, addr 216.239.34.10
ns3.google.com: type A, class IN, addr 216.239.36.10
ns4.google.com: type A, class IN, addr 216.239.38.10
[Request In: 12]
[Time: 0.002403812 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
22	6.738024642	192.168.1.140	192.168.1.1	DNS	73	Standard query 0x40f6 A bitsy.mit.edu

Frame 22: 73 bytes on wire (584 bits), 73 bytes captured (584 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)

Arrival Time: May 16, 2020 10:28:44.474981726 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614124.474981726 seconds
[Time delta from previous captured frame: 0.366219608 seconds]
[Time delta from previous displayed frame: 2.122192441 seconds]
[Time since reference or first frame: 6.738024642 seconds]
Frame Number: 22
Frame Length: 73 bytes (584 bits)
Capture Length: 73 bytes (584 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 192.168.1.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 59
Identification: 0x3e50 (15952)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x7884 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.140
Destination: 192.168.1.1
User Datagram Protocol, Src Port: 44301, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x40f6
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
[Response In: 24]

No.	Time	Source	Destination	Protocol	Length	Info
23	6.738175901	192.168.1.140	192.168.1.1	DNS	73	Standard query 0x761a

AAAA bitsy.mit.edu
Frame 23: 73 bytes on wire (584 bits), 73 bytes captured (584 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:44.475132985 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614124.475132985 seconds
[Time delta from previous captured frame: 0.000151259 seconds]
[Time delta from previous displayed frame: 0.000151259 seconds]
[Time since reference or first frame: 6.738175901 seconds]
Frame Number: 23
Frame Length: 73 bytes (584 bits)
Capture Length: 73 bytes (584 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 192.168.1.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 59
Identification: 0x3e51 (15953)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)

```
Header checksum: 0x7883 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.140
Destination: 192.168.1.1
User Datagram Protocol, Src Port: 43871, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x761a
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
[Response In: 25]
No.      Time          Source          Destination      Protocol Length Info
   24  6.741862339    192.168.1.1      192.168.1.140    DNS        384    Standard query response
0x40f6 A bitsy.mit.edu A 18.0.72.3 NS usw2.akam.net NS use5.akam.net NS eur5.akam.net NS asia1.akam.net NS
ns1-37.akam.net NS ns1-173.akam.net NS use2.akam.net NS asia2.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 24: 384 bytes on wire (3072 bits), 384 bytes captured (3072 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:44.478819423 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614124.478819423 seconds
[Time delta from previous captured frame: 0.003686438 seconds]
[Time delta from previous displayed frame: 0.003686438 seconds]
[Time since reference or first frame: 6.741862339 seconds]
Frame Number: 24
Frame Length: 384 bytes (3072 bits)
Capture Length: 384 bytes (3072 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: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Destination: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Source: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.140
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 370
Identification: 0x0000 (0)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xb59d [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.1
Destination: 192.168.1.140
User Datagram Protocol, Src Port: 53, Dst Port: 44301
Domain Name System (response)
Transaction ID: 0x40f6
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 1
Authority RRs: 8
Additional RRs: 8
Queries
Answers
    bitsy.mit.edu: type A, class IN, addr 18.0.72.3
Authoritative nameservers
    mit.edu: type NS, class IN, ns usw2.akam.net
    mit.edu: type NS, class IN, ns use5.akam.net
    mit.edu: type NS, class IN, ns eur5.akam.net
    mit.edu: type NS, class IN, ns asia1.akam.net
    mit.edu: type NS, class IN, ns ns1-37.akam.net
    mit.edu: type NS, class IN, ns ns1-173.akam.net
    mit.edu: type NS, class IN, ns use2.akam.net
    mit.edu: type NS, class IN, ns asia2.akam.net
Additional records
    eur5.akam.net: type A, class IN, addr 23.74.25.64
```

use2.akam.net: type A, class IN, addr 96.7.49.64
use5.akam.net: type A, class IN, addr 2.16.40.64
usw2.akam.net: type A, class IN, addr 184.26.161.64
asia1.akam.net: type A, class IN, addr 95.100.175.64
asia2.akam.net: type A, class IN, addr 95.101.36.64
ns1-37.akam.net: type A, class IN, addr 193.108.91.37
ns1-173.akam.net: type A, class IN, addr 193.108.91.173

[Request In: 22]

[Time: 0.003837697 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
25	6.772801707	192.168.1.1	192.168.1.140	DNS	138	Standard query response

0x761a AAAA bitsy.mit.edu SOA use2.akam.net

Frame 25: 138 bytes on wire (1104 bits), 138 bytes captured (1104 bits) on interface wlo1, id 0

Interface id: 0 (wlo1)

Encapsulation type: Ethernet (1)

Arrival Time: May 16, 2020 10:28:44.509758791 EEST

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1589614124.509758791 seconds

[Time delta from previous captured frame: 0.030939368 seconds]

[Time delta from previous displayed frame: 0.030939368 seconds]

[Time since reference or first frame: 6.772801707 seconds]

Frame Number: 25

Frame Length: 138 bytes (1104 bits)

Capture Length: 138 bytes (1104 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: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)

Destination: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)

Source: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)

Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.140

0100 = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

Total Length: 124

Identification: 0x0000 (0)

Flags: 0x4000, Don't fragment

Fragment offset: 0

Time to live: 64

Protocol: UDP (17)

Header checksum: 0xb693 [validation disabled]

[Header checksum status: Unverified]

Source: 192.168.1.1

Destination: 192.168.1.140

User Datagram Protocol, Src Port: 53, Dst Port: 43871

Domain Name System (response)

Transaction ID: 0x761a

Flags: 0x8180 Standard query response, No error

Questions: 1

Answer RRs: 0

Authority RRs: 1

Additional RRs: 0

Queries

Authoritative nameservers

mit.edu: type SOA, class IN, mname use2.akam.net

[Request In: 23]

[Time: 0.034625806 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
26	6.774910321	192.168.1.140	18.0.72.3	DNS	74	Standard query 0x9b07 A

www.ait.or.kr

Frame 26: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface wlo1, id 0

Interface id: 0 (wlo1)

Encapsulation type: Ethernet (1)

Arrival Time: May 16, 2020 10:28:44.511867405 EEST

[Time shift for this packet: 0.000000000 seconds]

Epoch Time: 1589614124.511867405 seconds

[Time delta from previous captured frame: 0.002108614 seconds]

[Time delta from previous displayed frame: 0.002108614 seconds]

[Time since reference or first frame: 6.774910321 seconds]

Frame Number: 26

Frame Length: 74 bytes (592 bits)

Capture Length: 74 bytes (592 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
  Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
  Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 18.0.72.3
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 60
  Identification: 0xd2c1 (53953)
  Flags: 0x0000
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x8bb8 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.1.140
  Destination: 18.0.72.3
User Datagram Protocol, Src Port: 42325, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x9b07
  Flags: 0x0100 Standard query
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
  Queries
No.      Time                Source                Destination           Protocol Length Info
   27  7.866497457      192.168.1.140        192.168.1.1          DNS           89      Standard query 0xb255 A
clientservices.googleapis.com
Frame 27: 89 bytes on wire (712 bits), 89 bytes captured (712 bits) on interface wlo1, id 0
  Interface id: 0 (wlo1)
  Encapsulation type: Ethernet (1)
  Arrival Time: May 16, 2020 10:28:45.603454541 EEST
  [Time shift for this packet: 0.000000000 seconds]
  Epoch Time: 1589614125.603454541 seconds
  [Time delta from previous captured frame: 1.091587136 seconds]
  [Time delta from previous displayed frame: 1.091587136 seconds]
  [Time since reference or first frame: 7.866497457 seconds]
  Frame Number: 27
  Frame Length: 89 bytes (712 bits)
  Capture Length: 89 bytes (712 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
  Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
  Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 192.168.1.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 75
  Identification: 0x3e6e (15982)
  Flags: 0x4000, Don't fragment
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x7856 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.1.140
  Destination: 192.168.1.1
User Datagram Protocol, Src Port: 54378, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0xb255
  Flags: 0x0100 Standard query
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
```

Additional RRs: 0
Queries
[Response In: 28]

No.	Time	Source	Destination	Protocol	Length	Info
28	7.868962228	192.168.1.1	192.168.1.140	DNS	248	Standard query response

0xb255 A clientservices.googleapis.com A 172.217.16.35 NS ns1.google.com NS ns4.google.com NS ns2.google.com NS ns3.google.com A 216.239.32.10 A 216.239.34.10 A 216.239.36.10 A 216.239.38.10
Frame 28: 248 bytes on wire (1984 bits), 248 bytes captured (1984 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:45.605919312 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614125.605919312 seconds
[Time delta from previous captured frame: 0.002464771 seconds]
[Time delta from previous displayed frame: 0.002464771 seconds]
[Time since reference or first frame: 7.868962228 seconds]
Frame Number: 28
Frame Length: 248 bytes (1984 bits)
Capture Length: 248 bytes (1984 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: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Destination: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Source: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.140
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 234
Identification: 0x0000 (0)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0xb625 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.1
Destination: 192.168.1.140
User Datagram Protocol, Src Port: 53, Dst Port: 54378
Domain Name System (response)
Transaction ID: 0xb255
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 1
Authority RRs: 4
Additional RRs: 4
Queries
Answers
clientservices.googleapis.com: type A, class IN, addr 172.217.16.35
Authoritative nameservers
googleapis.com: type NS, class IN, ns ns1.google.com
googleapis.com: type NS, class IN, ns ns4.google.com
googleapis.com: type NS, class IN, ns ns2.google.com
googleapis.com: type NS, class IN, ns ns3.google.com
Additional records
ns1.google.com: type A, class IN, addr 216.239.32.10
ns2.google.com: type A, class IN, addr 216.239.34.10
ns3.google.com: type A, class IN, addr 216.239.36.10
ns4.google.com: type A, class IN, addr 216.239.38.10
[Request In: 27]
[Time: 0.002464771 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
49	11.772024418	192.168.1.140	18.0.72.3	DNS	74	Standard query 0x9b07 A www.aiit.or.kr

Frame 49: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:49.508981502 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614129.508981502 seconds
[Time delta from previous captured frame: 0.366298699 seconds]
[Time delta from previous displayed frame: 3.903062190 seconds]

[Time since reference or first frame: 11.772024418 seconds]
Frame Number: 49
Frame Length: 74 bytes (592 bits)
Capture Length: 74 bytes (592 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 18.0.72.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 60
Identification: 0xd4d5 (54485)
Flags: 0x0000
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x89a4 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.140
Destination: 18.0.72.3
User Datagram Protocol, Src Port: 42325, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x9b07
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
[Retransmitted request. Original request in: 26]
[Retransmission: True]

No.	Time	Source	Destination	Protocol	Length	Info
66	16.772075975	192.168.1.140	18.0.72.3	DNS	74	Standard query 0x9b07 A www.aiit.or.kr

Frame 66: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:54.509033059 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614134.509033059 seconds
[Time delta from previous captured frame: 0.234510978 seconds]
[Time delta from previous displayed frame: 5.000051557 seconds]
[Time since reference or first frame: 16.772075975 seconds]
Frame Number: 66
Frame Length: 74 bytes (592 bits)
Capture Length: 74 bytes (592 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.140, Dst: 18.0.72.3
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 60
Identification: 0xd9a5 (55717)
Flags: 0x0000
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x84d4 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.140
Destination: 18.0.72.3

User Datagram Protocol, Src Port: 42325, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x9b07
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries

No.	Time	Source	Destination	Protocol	Length	Info
72	19.616917023	192.168.1.140	192.168.1.1	DNS	79	Standard query 0x794e A clients6.google.com

Frame 72: 79 bytes on wire (632 bits), 79 bytes captured (632 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:57.353874107 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614137.353874107 seconds
[Time delta from previous captured frame: 1.064801243 seconds]
[Time delta from previous displayed frame: 2.844841048 seconds]
[Time since reference or first frame: 19.616917023 seconds]
Frame Number: 72
Frame Length: 79 bytes (632 bits)
Capture Length: 79 bytes (632 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: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50), Dst: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Destination: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
Source: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
Type: IPv4 (0x0800)

Internet Protocol Version 4, Src: 192.168.1.140, Dst: 192.168.1.1
0100 = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 65
Identification: 0x480d (18445)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x6ec1 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.1.140
Destination: 192.168.1.1

User Datagram Protocol, Src Port: 36850, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x794e
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
[Response In: 73]

No.	Time	Source	Destination	Protocol	Length	Info
73	19.619341901	192.168.1.1	192.168.1.140	DNS	255	Standard query response 0x794e A clients6.google.com CNAME clients1.google.com A 216.58.208.206 NS ns4.google.com NS ns1.google.com NS ns2.google.com NS ns3.google.com A 216.239.32.10 A 216.239.34.10 A 216.239.36.10 A 216.239.38.10

Frame 73: 255 bytes on wire (2040 bits), 255 bytes captured (2040 bits) on interface wlo1, id 0
Interface id: 0 (wlo1)
Encapsulation type: Ethernet (1)
Arrival Time: May 16, 2020 10:28:57.356298985 EEST
[Time shift for this packet: 0.000000000 seconds]
Epoch Time: 1589614137.356298985 seconds
[Time delta from previous captured frame: 0.002424878 seconds]
[Time delta from previous displayed frame: 0.002424878 seconds]
[Time since reference or first frame: 19.619341901 seconds]
Frame Number: 73
Frame Length: 255 bytes (2040 bits)
Capture Length: 255 bytes (2040 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: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff), Dst: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
  Destination: IntelCor_a9:ef:50 (8c:70:5a:a9:ef:50)
  Source: Tp-LinkT_5c:d1:ff (f8:d1:11:5c:d1:ff)
  Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.140
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 241
  Identification: 0x0000 (0)
  Flags: 0x4000, Don't fragment
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0xb61e [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.1.1
  Destination: 192.168.1.140
User Datagram Protocol, Src Port: 53, Dst Port: 36850
Domain Name System (response)
  Transaction ID: 0x794e
  Flags: 0x8180 Standard query response, No error
  Questions: 1
  Answer RRs: 2
  Authority RRs: 4
  Additional RRs: 4
  Queries
  Answers
    clients6.google.com: type CNAME, class IN, cname clients.l.google.com
    clients.l.google.com: type A, class IN, addr 216.58.208.206
  Authoritative nameservers
    google.com: type NS, class IN, ns ns4.google.com
    google.com: type NS, class IN, ns ns1.google.com
    google.com: type NS, class IN, ns ns2.google.com
    google.com: type NS, class IN, ns ns3.google.com
  Additional records
    ns1.google.com: type A, class IN, addr 216.239.32.10
    ns2.google.com: type A, class IN, addr 216.239.34.10
    ns3.google.com: type A, class IN, addr 216.239.36.10
    ns4.google.com: type A, class IN, addr 216.239.38.10
[Request In: 72]
[Time: 0.002424878 seconds]
```