

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	172.20.10.1	172.20.10.9	DNS	157	Standard

query response 0x32e0 A oosp-lb.apple.com.akadns.net CNAME world-gen.g.aapling.com A
17.253.123.202 A 17.253.123.204

Frame 1: 157 bytes on wire (1256 bits), 157 bytes captured (1256 bits) on interface en0, id 0
Ethernet II, Src: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64), Dst: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62)
Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.9
User Datagram Protocol, Src Port: 53, Dst Port: 59526
Domain Name System (response)
Transaction ID: 0x32e0
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 3
Authority RRs: 0
Additional RRs: 0
Queries
oosp-lb.apple.com.akadns.net: type A, class IN
Name: oosp-lb.apple.com.akadns.net
[Name Length: 28]
[Label Count: 5]
Type: A (Host Address) (1)
Class: IN (0x0001)
Answers
oosp-lb.apple.com.akadns.net: type CNAME, class IN, cname world-gen.g.aapling.com
Name: oosp-lb.apple.com.akadns.net
Type: CNAME (Canonical NAME for an alias) (5)
Class: IN (0x0001)
Time to live: 48 (48 seconds)
Data length: 25
CNAME: world-gen.g.aapling.com
world-gen.g.aapling.com: type A, class IN, addr 17.253.123.202
Name: world-gen.g.aapling.com
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 15 (15 seconds)
Data length: 4
Address: 17.253.123.202
world-gen.g.aapling.com: type A, class IN, addr 17.253.123.204
Name: world-gen.g.aapling.com
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 15 (15 seconds)
Data length: 4
Address: 17.253.123.204
[Unsolicited: True]

No.	Time	Source	Destination	Protocol	Length	Info
15	4.189920	172.20.10.9	172.20.10.1	DNS	67	Standard

query 0x0fd2 NS mit.edu
Frame 15: 67 bytes on wire (536 bits), 67 bytes captured (536 bits) on interface en0, id 0
Ethernet II, Src: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62), Dst: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64)
Internet Protocol Version 4, Src: 172.20.10.9, Dst: 172.20.10.1
User Datagram Protocol, Src Port: 58262, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x0fd2
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
mit.edu: type NS, class IN
Name: mit.edu
[Name Length: 7]
[Label Count: 2]
Type: NS (authoritative Name Server) (2)
Class: IN (0x0001)
[Response In: 16]

No.	Time	Source	Destination	Protocol	Length	Info
16	4.194199	172.20.10.1	172.20.10.9	DNS	234	Standard

query response 0x0fd2 NS mit.edu NS asia1.akam.net NS asia2.akam.net NS ns1-173.akam.net NS ns1-37.akam.net NS usw2.akam.net NS use2.akam.net NS use5.akam.net NS eur5.akam.net

Frame 16: 234 bytes on wire (1872 bits), 234 bytes captured (1872 bits) on interface en0, id 0

Ethernet II, Src: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64), Dst: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62)

Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.9

User Datagram Protocol, Src Port: 53, Dst Port: 58262

Domain Name System (response)

- Transaction ID: 0x0fd2
- Flags: 0x8180 Standard query response, No error
- Questions: 1
- Answer RRs: 8
- Authority RRs: 0
- Additional RRs: 0

Queries

- mit.edu: type NS, class IN
 - Name: mit.edu
 - [Name Length: 7]
 - [Label Count: 2]
 - Type: NS (authoritative Name Server) (2)
 - Class: IN (0x0001)

Answers

- mit.edu: type NS, class IN, ns asia1.akam.net
 - Name: mit.edu
 - Type: NS (authoritative Name Server) (2)
 - Class: IN (0x0001)
 - Time to live: 2231 (37 minutes, 11 seconds)
 - Data length: 16
 - Name Server: asia1.akam.net
- mit.edu: type NS, class IN, ns asia2.akam.net
 - Name: mit.edu
 - Type: NS (authoritative Name Server) (2)
 - Class: IN (0x0001)
 - Time to live: 2231 (37 minutes, 11 seconds)
 - Data length: 8
 - Name Server: asia2.akam.net
- mit.edu: type NS, class IN, ns ns1-173.akam.net
 - Name: mit.edu
 - Type: NS (authoritative Name Server) (2)
 - Class: IN (0x0001)
 - Time to live: 2231 (37 minutes, 11 seconds)
 - Data length: 10
 - Name Server: ns1-173.akam.net
- mit.edu: type NS, class IN, ns ns1-37.akam.net
 - Name: mit.edu
 - Type: NS (authoritative Name Server) (2)
 - Class: IN (0x0001)
 - Time to live: 2231 (37 minutes, 11 seconds)
 - Data length: 9
 - Name Server: ns1-37.akam.net
- mit.edu: type NS, class IN, ns usw2.akam.net
 - Name: mit.edu
 - Type: NS (authoritative Name Server) (2)
 - Class: IN (0x0001)
 - Time to live: 2231 (37 minutes, 11 seconds)
 - Data length: 7
 - Name Server: usw2.akam.net
- mit.edu: type NS, class IN, ns use2.akam.net
 - Name: mit.edu
 - Type: NS (authoritative Name Server) (2)
 - Class: IN (0x0001)
 - Time to live: 2231 (37 minutes, 11 seconds)
 - Data length: 7
 - Name Server: use2.akam.net

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mit.edu: type NS, class IN, ns use5.akam.net
  Name: mit.edu
  Type: NS (authoritative Name Server) (2)
  Class: IN (0x0001)
  Time to live: 2231 (37 minutes, 11 seconds)
  Data length: 7
  Name Server: use5.akam.net
mit.edu: type NS, class IN, ns eur5.akam.net
  Name: mit.edu
  Type: NS (authoritative Name Server) (2)
  Class: IN (0x0001)
  Time to live: 2231 (37 minutes, 11 seconds)
  Data length: 7
  Name Server: eur5.akam.net
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[Request In: 15]

[Time: 0.004279000 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
17	8.848178	172.20.10.9	172.20.10.1	DNS	90	Standard

query 0x415b A gs-loc.ls-apple.com.akadns.net
Frame 17: 90 bytes on wire (720 bits), 90 bytes captured (720 bits) on interface en0, id 0
Ethernet II, Src: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62), Dst: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64)
Internet Protocol Version 4, Src: 172.20.10.9, Dst: 172.20.10.1
User Datagram Protocol, Src Port: 64443, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x415b
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
gs-loc.ls-apple.com.akadns.net: type A, class IN
Name: gs-loc.ls-apple.com.akadns.net
[Name Length: 30]
[Label Count: 5]
Type: A (Host Address) (1)
Class: IN (0x0001)
[Response In: 19]

No.	Time	Source	Destination	Protocol	Length	Info
19	9.428364	172.20.10.1	172.20.10.9	DNS	122	Standard query response 0x415b A gs-loc.ls-apple.com.akadns.net A 17.142.171.8 A 17.142.171.9

Frame 19: 122 bytes on wire (976 bits), 122 bytes captured (976 bits) on interface en0, id 0
Ethernet II, Src: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64), Dst: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62)
Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.9
User Datagram Protocol, Src Port: 53, Dst Port: 64443
Domain Name System (response)
Transaction ID: 0x415b
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 2
Authority RRs: 0
Additional RRs: 0
Queries
gs-loc.ls-apple.com.akadns.net: type A, class IN
Name: gs-loc.ls-apple.com.akadns.net
[Name Length: 30]
[Label Count: 5]
Type: A (Host Address) (1)
Class: IN (0x0001)
Answers
gs-loc.ls-apple.com.akadns.net: type A, class IN, addr 17.142.171.8
Name: gs-loc.ls-apple.com.akadns.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 54 (54 seconds)
Data length: 4
Address: 17.142.171.8
gs-loc.ls-apple.com.akadns.net: type A, class IN, addr 17.142.171.9
Name: gs-loc.ls-apple.com.akadns.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 54 (54 seconds)
Data length: 4
Address: 17.142.171.9
[Request In: 17]
[Time: 0.580186000 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
27	10.227901	172.20.10.9	172.20.10.1	DNS	124	Standard query 0x0d18 A mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com

Frame 27: 124 bytes on wire (992 bits), 124 bytes captured (992 bits) on interface en0, id 0
Ethernet II, Src: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62), Dst: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64)
Internet Protocol Version 4, Src: 172.20.10.9, Dst: 172.20.10.1
User Datagram Protocol, Src Port: 58880, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x0d18
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com: type A, class IN
Name: mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com
[Name Length: 64]
[Label Count: 5]
Type: A (Host Address) (1)
Class: IN (0x0001)
[Response In: 32]

No.	Time	Source	Destination	Protocol	Length	Info
28	10.231717	172.20.10.9	172.20.10.1	DNS	132	Standard query 0x79ea PTR 4.d.d.6.6.5.6.3.0.b.9.f.f.4.6.0.0.ip6.arpa

Frame 28: 132 bytes on wire (1056 bits), 132 bytes captured (1056 bits) on interface en0, id 0
Ethernet II, Src: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62), Dst: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64)
Internet Protocol Version 4, Src: 172.20.10.9, Dst: 172.20.10.1
User Datagram Protocol, Src Port: 56266, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x79ea
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
4.d.d.6.6.5.6.3.0.b.9.f.f.4.6.0.0.ip6.arpa: type PTR, class IN
Name: 4.d.d.6.6.5.6.3.0.b.9.f.f.4.6.0.0.ip6.arpa
[Name Length: 72]
[Label Count: 34]
Type: PTR (domain name PoinTeR) (12)
Class: IN (0x0001)
[Response In: 30]


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No.      Time           Source            Destination      Protocol Length Info
   29    10.232489       172.20.10.9      172.20.10.1     DNS        132      Standard
query 0x19da PTR 8.7.5.d.6.d.3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.b.9.f.f.4.6.0.0.ip6.arpa
Frame 29: 132 bytes on wire (1056 bits), 132 bytes captured (1056 bits) on interface en0, id 0
Ethernet II, Src: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62), Dst: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:
64)
Internet Protocol Version 4, Src: 172.20.10.9, Dst: 172.20.10.1
User Datagram Protocol, Src Port: 61213, Dst Port: 53
Domain Name System (query)
    Transaction ID: 0x19da
    Flags: 0x0100 Standard query
    Questions: 1
    Answer RRs: 0
    Authority RRs: 0
    Additional RRs: 0
    Queries
        8.7.5.d.6.d.3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.b.9.f.f.4.6.0.0.ip6.arpa: type PTR,
class IN
            Name: 8.7.5.d.6.d.3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.b.9.f.f.4.6.0.0.ip6.arpa
            [Name Length: 72]
            [Label Count: 34]
            Type: PTR (domain name PoinTeR) (12)
            Class: IN (0x0001)
[Response In: 31]
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No.      Time      Source      Destination      Protocol Length Info
 30 10.235799    172.20.10.1    172.20.10.9      DNS      196      Standard
query response 0x79ea No such name PTR 4.d.d.6.6.5.6.3.0.0.0.0.0.0.0.0.0.0.0.b.
9.f.f.4.6.0.0.ip6.arpa SOA b.ip6-servers.arpa
Frame 30: 196 bytes on wire (1568 bits), 196 bytes captured (1568 bits) on interface en0, id 0
Ethernet II, Src: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64), Dst: Apple_cd:fc:62 (a4:d1:8c:cd:fc:
62)
Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.9
User Datagram Protocol, Src Port: 53, Dst Port: 56266
Domain Name System (response)
  Transaction ID: 0x79ea
  Flags: 0x8183 Standard query response, No such name
  Questions: 1
  Answer RRs: 0
  Authority RRs: 1
  Additional RRs: 0
  Queries
    4.d.d.6.6.5.6.3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.b.9.f.f.4.6.0.0.ip6.arpa: type PTR,
class IN
      Name: 4.d.d.6.6.5.6.3.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.b.9.f.f.4.6.0.0.ip6.arpa
      [Name Length: 72]
      [Label Count: 34]
      Type: PTR (domain name PoinTeR) (12)
      Class: IN (0x0001)
  Authoritative nameservers
    ip6.arpa: type SOA, class IN, mname b.ip6-servers.arpa
      Name: ip6.arpa
      Type: SOA (Start Of a zone of Authority) (6)
      Class: IN (0x0001)
      Time to live: 1079 (17 minutes, 59 seconds)
      Data length: 52
      Primary name server: b.ip6-servers.arpa
      Responsible authority's mailbox: nstld.iana.org
      Serial Number: 2020060594
      Refresh Interval: 1800 (30 minutes)
      Retry Interval: 900 (15 minutes)
      Expire limit: 604800 (7 days)
      Minimum TTL: 3600 (1 hour)
[Request In: 28]
[Time: 0.004082000 seconds]

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No.	Time	Source	Destination	Protocol	Length	Info
32	10.391083	172.20.10.1	172.20.10.9	DNS	172	Standard

query response 0x0d18 A mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com A 54.86.109.212 A 3.214.213.120 A 3.83.56.8

Frame 32: 172 bytes on wire (1376 bits), 172 bytes captured (1376 bits) on interface en0, id 0

Ethernet II, Src: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64), Dst: Apple_cd:fc:62 (a4:d1:8c:cd:fc:62)

Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.9

User Datagram Protocol, Src Port: 53, Dst Port: 58880

Domain Name System (response)

- Transaction ID: 0x0d18
- Flags: 0x8180 Standard query response, No error
- Questions: 1
- Answer RRs: 3
- Authority RRs: 0
- Additional RRs: 0
- Queries
 - mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com: type A, class IN
 - Name: mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com
 - [Name Length: 64]
 - [Label Count: 5]
 - Type: A (Host Address) (1)
 - Class: IN (0x0001)
- Answers
 - mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com: type A, class IN, addr 54.86.109.212
 - Name: mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com
 - Type: A (Host Address) (1)
 - Class: IN (0x0001)
 - Time to live: 77 (1 minute, 17 seconds)
 - Data length: 4
 - Address: 54.86.109.212
 - mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com: type A, class IN, addr 3.214.213.120
 - Name: mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com
 - Type: A (Host Address) (1)
 - Class: IN (0x0001)
 - Time to live: 77 (1 minute, 17 seconds)
 - Data length: 4
 - Address: 3.214.213.120
 - mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com: type A, class IN, addr 3.83.56.8
 - Name: mcs-us-east-1-cloudstation-596555454.us-east-1.elb.amazonaws.com
 - Type: A (Host Address) (1)
 - Class: IN (0x0001)
 - Time to live: 77 (1 minute, 17 seconds)
 - Data length: 4
 - Address: 3.83.56.8

[Request In: 27]

[Time: 0.163182000 seconds]