

```
No.      Time      Source      Destination      Protocol Length Info
  8 4.499272      192.168.0.122      192.168.0.1      DNS          84      Standard query 0x0001 PTR 1.0.168.192.in-
addr.arpa
Frame 8: 84 bytes on wire (672 bits), 84 bytes captured (672 bits) on interface \Device\NPF_{D21DD217-F01C-4545-BEF9-F292EF3FDF},
id 0
Ethernet II, Src: Giga-Byt_e3:b1:48 (1c:1b:0d:e3:b1:48), Dst: TendaTec_b3:53:60 (04:95:e6:b3:53:60)
Internet Protocol Version 4, Src: 192.168.0.122, Dst: 192.168.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 70
  Identification: 0xb79d (47005)
  Flags: 0x0000
  Fragment offset: 0
  Time to live: 128
  Protocol: UDP (17)
  Header checksum: 0x013e [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.0.122
  Destination: 192.168.0.1
User Datagram Protocol, Src Port: 63785, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x0001
  Flags: 0x0100 Standard query
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
  Queries
  [Response In: 9]
No.      Time      Source      Destination      Protocol Length Info
  9 4.502652      192.168.0.1      192.168.0.122      DNS          134      Standard query response 0x0001 No such name PTR
1.0.168.192.in-addr.arpa SOA localhost
Frame 9: 134 bytes on wire (1072 bits), 134 bytes captured (1072 bits) on interface \Device\NPF_{D21DD217-F01C-4545-BEF9-
F292EF3FDF}, id 0
Ethernet II, Src: TendaTec_b3:53:60 (04:95:e6:b3:53:60), Dst: Giga-Byt_e3:b1:48 (1c:1b:0d:e3:b1:48)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.122
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 120
  Identification: 0x5107 (20743)
  Flags: 0x4000, Don't fragment
  Fragment offset: 0
  Time to live: 64
  Protocol: UDP (17)
  Header checksum: 0x67a2 [validation disabled]
  [Header checksum status: Unverified]
  Source: 192.168.0.1
  Destination: 192.168.0.122
User Datagram Protocol, Src Port: 53, Dst Port: 63785
Domain Name System (response)
  Transaction ID: 0x0001
  Flags: 0x8583 Standard query response, No such name
  Questions: 1
  Answer RRs: 0
  Authority RRs: 1
  Additional RRs: 0
  Queries
  Authoritative nameservers
    168.192.in-addr.arpa: type SOA, class IN, mname localhost
      Name: 168.192.in-addr.arpa
      Type: SOA (Start Of a zone of Authority) (6)
      Class: IN (0x0001)
      Time to live: 86400 (1 day)
      Data length: 38
      Primary name server: localhost
      Responsible authority's mailbox: root.localhost
      Serial Number: 1
      Refresh Interval: 604800 (7 days)
      Retry Interval: 86400 (1 day)
      Expire limit: 2419200 (28 days)
      Minimum TTL: 86400 (1 day)
  [Request In: 8]
  [Time: 0.003380000 seconds]
No.      Time      Source      Destination      Protocol Length Info
  10 4.504542      192.168.0.122      192.168.0.1      DNS          67      Standard query 0x0002 NS mit.edu
Frame 10: 67 bytes on wire (536 bits), 67 bytes captured (536 bits) on interface \Device\NPF_{D21DD217-F01C-4545-BEF9-F292EF3FDF},
id 0
Ethernet II, Src: Giga-Byt_e3:b1:48 (1c:1b:0d:e3:b1:48), Dst: TendaTec_b3:53:60 (04:95:e6:b3:53:60)
Internet Protocol Version 4, Src: 192.168.0.122, Dst: 192.168.0.1
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
  Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 53
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Identification: 0xb79e (47006)
Flags: 0x0000
Fragment offset: 0
Time to live: 128
Protocol: UDP (17)
Header checksum: 0x014e [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.0.122
Destination: 192.168.0.1
User Datagram Protocol, Src Port: 63786, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x0002
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
[Response In: 11]
No.      Time      Source      Destination      Protocol Length Info
   11 4.539286    192.168.0.1    192.168.0.122    DNS      446      Standard query response 0x0002 NS mit.edu NS
usw2.akam.net NS ns1-37.akam.net NS eur5.akam.net NS use2.akam.net NS asia1.akam.net NS use5.akam.net NS asia2.akam.net NS
ns1-173.akam.net A 23.74.25.64 A 96.7.49.64 A 2.16.40.64 AAAA 2600:1403:a::40 A 184.26.161.64 A 95.100.175.64 A 95.101.36.64 A
193.108.91.37 AAAA 2600:1401:2::25 A 193.108.91.173 AAAA 2600:1401:2::ad
Frame 11: 446 bytes on wire (3568 bits), 446 bytes captured (3568 bits) on interface \Device\NPF_{D21DD217-F01C-4545-BEF9-
F292EFE3FDF}, id 0
Ethernet II, Src: TendaTec_b3:53:60 (04:95:e6:b3:53:60), Dst: Giga-Byt_e3:b1:48 (1c:1b:0d:e3:b1:48)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.122
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
Total Length: 432
Identification: 0x5109 (20745)
Flags: 0x4000, Don't fragment
Fragment offset: 0
Time to live: 64
Protocol: UDP (17)
Header checksum: 0x6668 [validation disabled]
[Header checksum status: Unverified]
Source: 192.168.0.1
Destination: 192.168.0.122
User Datagram Protocol, Src Port: 53, Dst Port: 63786
Domain Name System (response)
Transaction ID: 0x0002
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 8
Authority RRs: 0
Additional RRs: 11
Queries
Answers
    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: 1800 (30 minutes)
        Data length: 15
        Name Server: usw2.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: 1800 (30 minutes)
        Data length: 9
        Name Server: ns1-37.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: 1800 (30 minutes)
        Data length: 7
        Name Server: eur5.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: 1800 (30 minutes)
        Data length: 7
        Name Server: use2.akam.net
    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: 1800 (30 minutes)
        Data length: 8
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Name Server: asia1.akam.net
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: 1800 (30 minutes)
Data length: 7
Name Server: use5.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: 1800 (30 minutes)
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: 1800 (30 minutes)
Data length: 10
Name Server: ns1-173.akam.net

Additional records

eur5.akam.net: type A, class IN, addr 23.74.25.64
Name: eur5.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 68861 (19 hours, 7 minutes, 41 seconds)
Data length: 4
Address: 23.74.25.64
use2.akam.net: type A, class IN, addr 96.7.49.64
Name: use2.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 71768 (19 hours, 56 minutes, 8 seconds)
Data length: 4
Address: 96.7.49.64
use5.akam.net: type A, class IN, addr 2.16.40.64
Name: use5.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 24785 (6 hours, 53 minutes, 5 seconds)
Data length: 4
Address: 2.16.40.64
use5.akam.net: type AAAA, class IN, addr 2600:1403:a::40
Name: use5.akam.net
Type: AAAA (IPv6 Address) (28)
Class: IN (0x0001)
Time to live: 24785 (6 hours, 53 minutes, 5 seconds)
Data length: 16
AAAA Address: 2600:1403:a::40
usw2.akam.net: type A, class IN, addr 184.26.161.64
Name: usw2.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 87899 (1 day, 24 minutes, 59 seconds)
Data length: 4
Address: 184.26.161.64
asia1.akam.net: type A, class IN, addr 95.100.175.64
Name: asia1.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 241 (4 minutes, 1 second)
Data length: 4
Address: 95.100.175.64
asia2.akam.net: type A, class IN, addr 95.101.36.64
Name: asia2.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 85283 (23 hours, 41 minutes, 23 seconds)
Data length: 4
Address: 95.101.36.64
ns1-37.akam.net: type A, class IN, addr 193.108.91.37
Name: ns1-37.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 12502 (3 hours, 28 minutes, 22 seconds)
Data length: 4
Address: 193.108.91.37
ns1-37.akam.net: type AAAA, class IN, addr 2600:1401:2::25
Name: ns1-37.akam.net
Type: AAAA (IPv6 Address) (28)
Class: IN (0x0001)
Time to live: 12502 (3 hours, 28 minutes, 22 seconds)
Data length: 16

AAAA Address: 2600:1401:2::25
ns1-173.akam.net: type A, class IN, addr 193.108.91.173
Name: ns1-173.akam.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 12502 (3 hours, 28 minutes, 22 seconds)
Data length: 4
Address: 193.108.91.173
ns1-173.akam.net: type AAAA, class IN, addr 2600:1401:2::ad
Name: ns1-173.akam.net
Type: AAAA (IPv6 Address) (28)
Class: IN (0x0001)
Time to live: 12502 (3 hours, 28 minutes, 22 seconds)
Data length: 16
AAAA Address: 2600:1401:2::ad

[Request In: 10]

[Time: 0.034744000 seconds]