

| No. | Time      | Source        | Destination | Protocol | Length | Info   |
|-----|-----------|---------------|-------------|----------|--------|--|
| 13  | 19.579094 | 192.168.0.103 | 192.168.0.1 | DNS      | 84     | Standard query 0x0001 PTR 1.0.168.192.in-addr.arpa |

Frame 13: 84 bytes on wire (672 bits), 84 bytes captured (672 bits) on interface \Device\NPF\_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0  
Ethernet II, Src: IntelCor\_ff:28:78 (d4:6d:6d:ff:28:78), Dst: Tp-LinkT\_63:b5:fc (18:a6:f7:63:b5:fc)  
Internet Protocol Version 4, Src: 192.168.0.103, Dst: 192.168.0.1  
User Datagram Protocol, Src Port: 60631, 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  
1.0.168.192.in-addr.arpa: type PTR, class IN  
Name: 1.0.168.192.in-addr.arpa  
[Name Length: 24]  
[Label Count: 6]  
Type: PTR (domain name PoinTeR) (12)  
Class: IN (0x0001)  
[Response In: 14]

| No. | Time      | Source      | Destination   | Protocol | Length | Info  |
|-----|-----------|-------------|---------------|----------|--------|---|
| 14  | 19.584217 | 192.168.0.1 | 192.168.0.103 | DNS      | 143    | Standard query response 0x0001 No such name |

PTR 1.0.168.192.in-addr.arpa SOA localhost  
Frame 14: 143 bytes on wire (1144 bits), 143 bytes captured (1144 bits) on interface \Device\NPF\_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0  
Ethernet II, Src: Tp-LinkT\_63:b5:fc (18:a6:f7:63:b5:fc), Dst: IntelCor\_ff:28:78 (d4:6d:6d:ff:28:78)  
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.103  
User Datagram Protocol, Src Port: 53, Dst Port: 60631  
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  
1.0.168.192.in-addr.arpa: type PTR, class IN  
Name: 1.0.168.192.in-addr.arpa  
[Name Length: 24]  
[Label Count: 6]  
Type: PTR (domain name PoinTeR) (12)  
Class: IN (0x0001)  
Authoritative nameservers  
168.192.in-addr.arpa: type SOA, class IN, mname localhost  
[Request In: 13]  
[Time: 0.005123000 seconds]

| No. | Time      | Source        | Destination | Protocol | Length | Info                  |
|-----|-----------|---------------|-------------|----------|--------|-----------------------|
| 15  | 19.586315 | 192.168.0.103 | 192.168.0.1 | DNS      | 87     | Standard query 0x0002 |

A www.mit.edu.infopulse.local  
Frame 15: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF\_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0  
Ethernet II, Src: IntelCor\_ff:28:78 (d4:6d:6d:ff:28:78), Dst: Tp-LinkT\_63:b5:fc (18:a6:f7:63:b5:fc)  
Internet Protocol Version 4, Src: 192.168.0.103, Dst: 192.168.0.1  
User Datagram Protocol, Src Port: 60632, 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  
www.mit.edu.infopulse.local: type A, class IN  
Name: www.mit.edu.infopulse.local  
[Name Length: 27]  
[Label Count: 5]  
Type: A (Host Address) (1)  
Class: IN (0x0001)  
[Response In: 16]

| No. | Time      | Source      | Destination   | Protocol | Length | Info  |
|-----|-----------|-------------|---------------|----------|--------|---|
| 16  | 19.618600 | 192.168.0.1 | 192.168.0.103 | DNS      | 162    | Standard query response 0x0002 No such name |

A www.mit.edu.infopulse.local SOA a.root-servers.net  
Frame 16: 162 bytes on wire (1296 bits), 162 bytes captured (1296 bits) on interface \Device\NPF\_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0  
Ethernet II, Src: Tp-LinkT\_63:b5:fc (18:a6:f7:63:b5:fc), Dst: IntelCor\_ff:28:78 (d4:6d:6d:ff:28:78)  
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.103  
User Datagram Protocol, Src Port: 53, Dst Port: 60632  
Domain Name System (response)

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Transaction ID: 0x0002
Flags: 0x8183 Standard query response, No such name
Questions: 1
Answer RRs: 0
Authority RRs: 1
Additional RRs: 0
Queries
  www.mit.edu.infopulse.local: type A, class IN
    Name: www.mit.edu.infopulse.local
    [Name Length: 27]
    [Label Count: 5]
    Type: A (Host Address) (1)
    Class: IN (0x0001)
Authoritative nameservers
  <Root>: type SOA, class IN, mname a.root-servers.net
[Request In: 15]
[Time: 0.032285000 seconds]
No.      Time      Source      Destination      Protocol Length Info
   17 19.619417    192.168.0.103    192.168.0.1      DNS        87      Standard query 0x0003
AAAA www.mit.edu.infopulse.local
Frame 17: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0
Ethernet II, Src: IntelCor_ff:28:78 (d4:6d:6d:ff:28:78), Dst: Tp-LinkT_63:b5:fc (18:a6:f7:63:b5:fc)
Internet Protocol Version 4, Src: 192.168.0.103, Dst: 192.168.0.1
User Datagram Protocol, Src Port: 60633, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x0003
  Flags: 0x0100 Standard query
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
  Queries
    www.mit.edu.infopulse.local: type AAAA, class IN
      Name: www.mit.edu.infopulse.local
      [Name Length: 27]
      [Label Count: 5]
      Type: AAAA (IPv6 Address) (28)
      Class: IN (0x0001)
[Response In: 18]
No.      Time      Source      Destination      Protocol Length Info
   18 19.652117    192.168.0.1    192.168.0.103    DNS        162      Standard query response 0x0003 No such name
AAAA www.mit.edu.infopulse.local SOA a.root-servers.net
Frame 18: 162 bytes on wire (1296 bits), 162 bytes captured (1296 bits) on interface \Device\NPF_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0
Ethernet II, Src: Tp-LinkT_63:b5:fc (18:a6:f7:63:b5:fc), Dst: IntelCor_ff:28:78 (d4:6d:6d:ff:28:78)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.103
User Datagram Protocol, Src Port: 53, Dst Port: 60633
Domain Name System (response)
  Transaction ID: 0x0003
  Flags: 0x8183 Standard query response, No such name
  Questions: 1
  Answer RRs: 0
  Authority RRs: 1
  Additional RRs: 0
  Queries
    www.mit.edu.infopulse.local: type AAAA, class IN
      Name: www.mit.edu.infopulse.local
      [Name Length: 27]
      [Label Count: 5]
      Type: AAAA (IPv6 Address) (28)
      Class: IN (0x0001)
Authoritative nameservers
  <Root>: type SOA, class IN, mname a.root-servers.net
[Request In: 17]
[Time: 0.032700000 seconds]
No.      Time      Source      Destination      Protocol Length Info
   19 19.652649    192.168.0.103    192.168.0.1      DNS        71      Standard query 0x0004 A www.mit.edu
Frame 19: 71 bytes on wire (568 bits), 71 bytes captured (568 bits) on interface \Device\NPF_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0
Ethernet II, Src: IntelCor_ff:28:78 (d4:6d:6d:ff:28:78), Dst: Tp-LinkT_63:b5:fc (18:a6:f7:63:b5:fc)
Internet Protocol Version 4, Src: 192.168.0.103, Dst: 192.168.0.1
User Datagram Protocol, Src Port: 60634, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x0004
  Flags: 0x0100 Standard query
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
  Queries
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www.mit.edu: type A, class IN
  Name: www.mit.edu
  [Name Length: 11]
  [Label Count: 3]
  Type: A (Host Address) (1)
  Class: IN (0x0001)
[Response In: 20]
No.      Time      Source      Destination      Protocol Length Info
   20 19.769346    192.168.0.1    192.168.0.103    DNS      160      Standard query response 0x0004
A www.mit.edu CNAME www.mit.edu.edgekey.net CNAME e9566.dscb.akamaiedge.net A 104.121.176.214
Frame 20: 160 bytes on wire (1280 bits), 160 bytes captured (1280 bits) on interface \Device\NPF_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0
Ethernet II, Src: Tp-LinkT_63:b5:fc (18:a6:f7:63:b5:fc), Dst: IntelCor_ff:28:78 (d4:6d:6d:ff:28:78)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.103
User Datagram Protocol, Src Port: 53, Dst Port: 60634
Domain Name System (response)
  Transaction ID: 0x0004
  Flags: 0x8180 Standard query response, No error
  Questions: 1
  Answer RRs: 3
  Authority RRs: 0
  Additional RRs: 0
  Queries
    www.mit.edu: type A, class IN
      Name: www.mit.edu
      [Name Length: 11]
      [Label Count: 3]
      Type: A (Host Address) (1)
      Class: IN (0x0001)
  Answers
    www.mit.edu: type CNAME, class IN, cname www.mit.edu.edgekey.net
    www.mit.edu.edgekey.net: type CNAME, class IN, cname e9566.dscb.akamaiedge.net
    e9566.dscb.akamaiedge.net: type A, class IN, addr 104.121.176.214
[Request In: 19]
[Time: 0.116697000 seconds]
No.      Time      Source      Destination      Protocol Length Info
   21 19.772554    192.168.0.103  192.168.0.1      DNS      71       Standard query 0x0005 AAAA www.mit.edu
Frame 21: 71 bytes on wire (568 bits), 71 bytes captured (568 bits) on interface \Device\NPF_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0
Ethernet II, Src: IntelCor_ff:28:78 (d4:6d:6d:ff:28:78), Dst: Tp-LinkT_63:b5:fc (18:a6:f7:63:b5:fc)
Internet Protocol Version 4, Src: 192.168.0.103, Dst: 192.168.0.1
User Datagram Protocol, Src Port: 60635, Dst Port: 53
Domain Name System (query)
  Transaction ID: 0x0005
  Flags: 0x0100 Standard query
  Questions: 1
  Answer RRs: 0
  Authority RRs: 0
  Additional RRs: 0
  Queries
    www.mit.edu: type AAAA, class IN
      Name: www.mit.edu
      [Name Length: 11]
      [Label Count: 3]
      Type: AAAA (IPv6 Address) (28)
      Class: IN (0x0001)
[Response In: 22]
No.      Time      Source      Destination      Protocol Length Info
   22 19.806074    192.168.0.1    192.168.0.103    DNS      200      Standard query response 0x0005
AAAA www.mit.edu CNAME www.mit.edu.edgekey.net CNAME e9566.dscb.akamaiedge.net AAAA 2a02:26f0:d200:19e::255e AAAA
2a02:26f0:d200:191::255e
Frame 22: 200 bytes on wire (1600 bits), 200 bytes captured (1600 bits) on interface \Device\NPF_{4411A0BE-7C39-4402-A536-A363854FC3CE}, id 0
Ethernet II, Src: Tp-LinkT_63:b5:fc (18:a6:f7:63:b5:fc), Dst: IntelCor_ff:28:78 (d4:6d:6d:ff:28:78)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.103
User Datagram Protocol, Src Port: 53, Dst Port: 60635
Domain Name System (response)
  Transaction ID: 0x0005
  Flags: 0x8180 Standard query response, No error
  Questions: 1
  Answer RRs: 4
  Authority RRs: 0
  Additional RRs: 0
  Queries
    www.mit.edu: type AAAA, class IN
      Name: www.mit.edu
      [Name Length: 11]
      [Label Count: 3]
      Type: AAAA (IPv6 Address) (28)
      Class: IN (0x0001)
  Answers
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```
www.mit.edu: type CNAME, class IN, cname www.mit.edu.edgekey.net
www.mit.edu.edgekey.net: type CNAME, class IN, cname e9566.dscb.akamaiedge.net
e9566.dscb.akamaiedge.net: type AAAA, class IN, addr 2a02:26f0:d200:19e::255e
e9566.dscb.akamaiedge.net: type AAAA, class IN, addr 2a02:26f0:d200:191::255e
[Request In: 21]
[Time: 0.033520000 seconds]
```