```
No.     Time            Source              Destination         Protocol Length Info
      7 3.437080        192.168.1.248       192.168.1.1         DNS      84     Standard query 0x0001 PTR 1.1.168.192.in-
addr.arpa
Frame 7: 84 bytes on wire (672 bits), 84 bytes captured (672 bits) on interface \Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790},
id 0
Ethernet II, Src: IntelCor_2a:85:0f (0c:54:15:2a:85:0f), Dst: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f)
Internet Protocol Version 4, Src: 192.168.1.248, Dst: 192.168.1.1
User Datagram Protocol, Src Port: 64468, 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: 8]
No.     Time            Source              Destination         Protocol Length Info
      8 3.441534        192.168.1.1         192.168.1.248       DNS      543    Standard query response 0x0001 PTR
1.1.168.192.in-addr.arpa PTR router.lan NS b.root-servers.net NS c.root-servers.net NS d.root-servers.net NS l.root-servers.net NS
h.root-servers.net NS i.root-servers.net NS g.root-servers.net NS j.root-servers.net NS k.root-servers.net NS a.root-servers.net NS
e.root-servers.net NS f.root-servers.net NS m.root-servers.net A 192.168.1.1 A 199.9.14.201 A 192.33.4.12 A 199.7.91.13 A
199.7.83.42 A 198.97.190.53 A 192.36.148.17 A 192.112.36.4 A 192.58.128.30 A 193.0.14.129 A 198.41.0.4 A 192.203.230.10 A
192.5.5.241 A 202.12.27.33
Frame 8: 543 bytes on wire (4344 bits), 543 bytes captured (4344 bits) on interface
\Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790}, id 0
Ethernet II, Src: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f), Dst: IntelCor_2a:85:0f (0c:54:15:2a:85:0f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.248
User Datagram Protocol, Src Port: 53, Dst Port: 64468
Domain Name System (response)
    Transaction ID: 0x0001
    Flags: 0x8180 Standard query response, No error
    Questions: 1
    Answer RRs: 1
    Authority RRs: 13
    Additional RRs: 14
    Queries
    Answers
        1.1.168.192.in-addr.arpa: type PTR, class IN, router.lan
    Authoritative nameservers
        <Root>: type NS, class IN, ns b.root-servers.net
        <Root>: type NS, class IN, ns c.root-servers.net
        <Root>: type NS, class IN, ns d.root-servers.net
        <Root>: type NS, class IN, ns l.root-servers.net
        <Root>: type NS, class IN, ns h.root-servers.net
        <Root>: type NS, class IN, ns i.root-servers.net
        <Root>: type NS, class IN, ns g.root-servers.net
        <Root>: type NS, class IN, ns j.root-servers.net
        <Root>: type NS, class IN, ns k.root-servers.net
        <Root>: type NS, class IN, ns a.root-servers.net
        <Root>: type NS, class IN, ns e.root-servers.net
        <Root>: type NS, class IN, ns f.root-servers.net
        <Root>: type NS, class IN, ns m.root-servers.net
    Additional records
        router.lan: type A, class IN, addr 192.168.1.1
        b.root-servers.net: type A, class IN, addr 199.9.14.201
        c.root-servers.net: type A, class IN, addr 192.33.4.12
        d.root-servers.net: type A, class IN, addr 199.7.91.13
        l.root-servers.net: type A, class IN, addr 199.7.83.42
        h.root-servers.net: type A, class IN, addr 198.97.190.53
        i.root-servers.net: type A, class IN, addr 192.36.148.17
        g.root-servers.net: type A, class IN, addr 192.112.36.4
        j.root-servers.net: type A, class IN, addr 192.58.128.30
        k.root-servers.net: type A, class IN, addr 193.0.14.129
        a.root-servers.net: type A, class IN, addr 198.41.0.4
        e.root-servers.net: type A, class IN, addr 192.203.230.10
        f.root-servers.net: type A, class IN, addr 192.5.5.241
        m.root-servers.net: type A, class IN, addr 202.12.27.33
    [Request In: 7]
    [Time: 0.004454000 seconds]
No.     Time            Source              Destination         Protocol Length Info
      9 3.444082        192.168.1.248       192.168.1.1         DNS      87     Standard query 0x0002
A www.mit.edu.infopulse.local
Frame 9: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790},
id 0
Ethernet II, Src: IntelCor_2a:85:0f (0c:54:15:2a:85:0f), Dst: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f)
Internet Protocol Version 4, Src: 192.168.1.248, Dst: 192.168.1.1
User Datagram Protocol, Src Port: 64469, 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: 10]
No.    Time           Source                Destination          Protocol Length Info
    10 3.448579       192.168.1.1           192.168.1.248        DNS      87       Standard query response 0x0002 No such name
A www.mit.edu.infopulse.local
Frame 10: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790},
id 0
Ethernet II, Src: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f), Dst: IntelCor_2a:85:0f (0c:54:15:2a:85:0f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.248
User Datagram Protocol, Src Port: 53, Dst Port: 64469
Domain Name System (response)
     Transaction ID: 0x0002
     Flags: 0x8183 Standard query response, No such name
     Questions: 1
     Answer RRs: 0
     Authority RRs: 0
     Additional RRs: 0
     Queries
     [Request In: 9]
     [Time: 0.004497000 seconds]
No.    Time           Source                Destination          Protocol Length Info
    11 3.448992       192.168.1.248         192.168.1.1          DNS      87       Standard query 0x0003
AAAA www.mit.edu.infopulse.local
Frame 11: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790},
id 0
Ethernet II, Src: IntelCor_2a:85:0f (0c:54:15:2a:85:0f), Dst: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f)
Internet Protocol Version 4, Src: 192.168.1.248, Dst: 192.168.1.1
User Datagram Protocol, Src Port: 64470, 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
     [Response In: 12]
No.    Time           Source                Destination          Protocol Length Info
    12 3.450569       192.168.1.1           192.168.1.248        DNS      87       Standard query response 0x0003 No such name
AAAA www.mit.edu.infopulse.local
Frame 12: 87 bytes on wire (696 bits), 87 bytes captured (696 bits) on interface \Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790},
id 0
Ethernet II, Src: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f), Dst: IntelCor_2a:85:0f (0c:54:15:2a:85:0f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.248
User Datagram Protocol, Src Port: 53, Dst Port: 64470
Domain Name System (response)
     Transaction ID: 0x0003
     Flags: 0x8183 Standard query response, No such name
     Questions: 1
     Answer RRs: 0
     Authority RRs: 0
     Additional RRs: 0
     Queries
     [Request In: 11]
     [Time: 0.001577000 seconds]
No.    Time           Source                Destination          Protocol Length Info
    13 3.450957       192.168.1.248         192.168.1.1          DNS      71       Standard query 0x0004 A www.mit.edu
Frame 13: 71 bytes on wire (568 bits), 71 bytes captured (568 bits) on interface \Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790},
id 0
Ethernet II, Src: IntelCor_2a:85:0f (0c:54:15:2a:85:0f), Dst: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f)
Internet Protocol Version 4, Src: 192.168.1.248, Dst: 192.168.1.1
User Datagram Protocol, Src Port: 64471, 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
     [Response In: 14]
No.    Time           Source                Destination          Protocol Length Info
    14 3.490450       192.168.1.1           192.168.1.248        DNS      576      Standard query response 0x0004 A www.mit.edu
CNAME www.mit.edu.edgekey.net CNAME e9566.dscb.akamaiedge.net A 104.103.94.234 NS c.root-servers.net NS d.root-servers.net NS
l.root-servers.net NS h.root-servers.net NS i.root-servers.net NS g.root-servers.net NS j.root-servers.net NS k.root-servers.net NS
a.root-servers.net NS e.root-servers.net NS f.root-servers.net NS m.root-servers.net NS b.root-servers.net A 192.33.4.12 A
199.7.91.13 A 199.7.83.42 A 198.97.190.53 A 192.36.148.17 A 192.112.36.4 A 192.58.128.30 A 193.0.14.129 A 198.41.0.4 A
192.203.230.10 A 192.5.5.241 A 202.12.27.33 A 199.9.14.201
Frame 14: 576 bytes on wire (4608 bits), 576 bytes captured (4608 bits) on interface
\Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790}, id 0
Ethernet II, Src: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f), Dst: IntelCor_2a:85:0f (0c:54:15:2a:85:0f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.248
User Datagram Protocol, Src Port: 53, Dst Port: 64471
Domain Name System (response)
     Transaction ID: 0x0004
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        Flags: 0x8180 Standard query response, No error
        Questions: 1
        Answer RRs: 3
        Authority RRs: 13
        Additional RRs: 13
        Queries
        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 104.103.94.234
        Authoritative nameservers
            <Root>: type NS, class IN, ns c.root-servers.net
            <Root>: type NS, class IN, ns d.root-servers.net
            <Root>: type NS, class IN, ns l.root-servers.net
            <Root>: type NS, class IN, ns h.root-servers.net
            <Root>: type NS, class IN, ns i.root-servers.net
            <Root>: type NS, class IN, ns g.root-servers.net
            <Root>: type NS, class IN, ns j.root-servers.net
            <Root>: type NS, class IN, ns k.root-servers.net
            <Root>: type NS, class IN, ns a.root-servers.net
            <Root>: type NS, class IN, ns e.root-servers.net
            <Root>: type NS, class IN, ns f.root-servers.net
            <Root>: type NS, class IN, ns m.root-servers.net
            <Root>: type NS, class IN, ns b.root-servers.net
        Additional records
            c.root-servers.net: type A, class IN, addr 192.33.4.12
            d.root-servers.net: type A, class IN, addr 199.7.91.13
            l.root-servers.net: type A, class IN, addr 199.7.83.42
            h.root-servers.net: type A, class IN, addr 198.97.190.53
            i.root-servers.net: type A, class IN, addr 192.36.148.17
            g.root-servers.net: type A, class IN, addr 192.112.36.4
            j.root-servers.net: type A, class IN, addr 192.58.128.30
            k.root-servers.net: type A, class IN, addr 193.0.14.129
            a.root-servers.net: type A, class IN, addr 198.41.0.4
            e.root-servers.net: type A, class IN, addr 192.203.230.10
            f.root-servers.net: type A, class IN, addr 192.5.5.241
            m.root-servers.net: type A, class IN, addr 202.12.27.33
            b.root-servers.net: type A, class IN, addr 199.9.14.201
        [Request In: 13]
        [Time: 0.039493000 seconds]
No.     Time           Source                Destination           Protocol Length Info
     15 3.497252       192.168.1.248         192.168.1.1           DNS      71     Standard query 0x0005 AAAA www.mit.edu
Frame 15: 71 bytes on wire (568 bits), 71 bytes captured (568 bits) on interface \Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790},
id 0
Ethernet II, Src: IntelCor_2a:85:0f (0c:54:15:2a:85:0f), Dst: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f)
Internet Protocol Version 4, Src: 192.168.1.248, Dst: 192.168.1.1
User Datagram Protocol, Src Port: 64472, 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
    [Response In: 16]
No.     Time           Source                Destination           Protocol Length Info
     16 3.536047       192.168.1.1           192.168.1.248         DNS      648    Standard query response 0x0005 AAAA www.mit.edu
CNAME www.mit.edu.edgekey.net CNAME e9566.dscb.akamaiedge.net AAAA 2a02:26f0:d8:3a2::255e AAAA 2a02:26f0:d8:389::255e NS d.root-
servers.net NS l.root-servers.net NS h.root-servers.net NS i.root-servers.net NS g.root-servers.net NS j.root-servers.net NS k.root-
servers.net NS a.root-servers.net NS e.root-servers.net NS f.root-servers.net NS m.root-servers.net NS b.root-servers.net NS c.root-
servers.net A 104.103.94.234 A 104.103.94.234 A 199.7.91.13 A 199.7.83.42 A 198.97.190.53 A 192.36.148.17 A 192.112.36.4 A
192.58.128.30 A 193.0.14.129 A 198.41.0.4 A 192.203.230.10 A 192.5.5.241 A 202.12.27.33 A 199.9.14.201 A 192.33.4.12
Frame 16: 648 bytes on wire (5184 bits), 648 bytes captured (5184 bits) on interface
\Device\NPF_{F1D61087-7F2C-4F27-8B56-6B866DE51790}, id 0
Ethernet II, Src: Routerbo_06:3e:4f (c4:ad:34:06:3e:4f), Dst: IntelCor_2a:85:0f (0c:54:15:2a:85:0f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.248
User Datagram Protocol, Src Port: 53, Dst Port: 64472
Domain Name System (response)
    Transaction ID: 0x0005
    Flags: 0x8180 Standard query response, No error
    Questions: 1
    Answer RRs: 4
    Authority RRs: 13
    Additional RRs: 15
    Queries
    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 AAAA, class IN, addr 2a02:26f0:d8:3a2::255e
        e9566.dscb.akamaiedge.net: type AAAA, class IN, addr 2a02:26f0:d8:389::255e
    Authoritative nameservers
        <Root>: type NS, class IN, ns d.root-servers.net
        <Root>: type NS, class IN, ns l.root-servers.net
        <Root>: type NS, class IN, ns h.root-servers.net
```

```
        <Root>: type NS, class IN, ns i.root-servers.net
        <Root>: type NS, class IN, ns g.root-servers.net
        <Root>: type NS, class IN, ns j.root-servers.net
        <Root>: type NS, class IN, ns k.root-servers.net
        <Root>: type NS, class IN, ns a.root-servers.net
        <Root>: type NS, class IN, ns e.root-servers.net
        <Root>: type NS, class IN, ns f.root-servers.net
        <Root>: type NS, class IN, ns m.root-servers.net
        <Root>: type NS, class IN, ns b.root-servers.net
        <Root>: type NS, class IN, ns c.root-servers.net
Additional records
        e9566.dscb.akamaiedge.net: type A, class IN, addr 104.103.94.234
        e9566.dscb.akamaiedge.net: type A, class IN, addr 104.103.94.234
        d.root-servers.net: type A, class IN, addr 199.7.91.13
        l.root-servers.net: type A, class IN, addr 199.7.83.42
        h.root-servers.net: type A, class IN, addr 198.97.190.53
        i.root-servers.net: type A, class IN, addr 192.36.148.17
        g.root-servers.net: type A, class IN, addr 192.112.36.4
        j.root-servers.net: type A, class IN, addr 192.58.128.30
        k.root-servers.net: type A, class IN, addr 193.0.14.129
        a.root-servers.net: type A, class IN, addr 198.41.0.4
        e.root-servers.net: type A, class IN, addr 192.203.230.10
        f.root-servers.net: type A, class IN, addr 192.5.5.241
        m.root-servers.net: type A, class IN, addr 202.12.27.33
        b.root-servers.net: type A, class IN, addr 199.9.14.201
        c.root-servers.net: type A, class IN, addr 192.33.4.12
[Request In: 15]
[Time: 0.038795000 seconds]
```