```
No.     Time          Source              Destination         Protocol Length Info
     282 13.144964     202.141.182.222     202.141.180.1       DNS       71      Standard query 0x0006 A www.mit.edu
Frame 282: 71 bytes on wire (568 bits), 71 bytes captured (568 bits) on interface \Device\NPF_{8F4CCA7D-037E-4F4A-
A903-982EA39577AF}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{8F4CCA7D-037E-4F4A-A903-982EA39577AF})
        Interface name: \Device\NPF_{8F4CCA7D-037E-4F4A-A903-982EA39577AF}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Oct  6, 2023 14:00:58.958711000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1696572058.958711000 seconds
    [Time delta from previous captured frame: 0.000190000 seconds]
    [Time delta from previous displayed frame: 0.000190000 seconds]
    [Time since reference or first frame: 13.144964000 seconds]
    Frame Number: 282
    Frame Length: 71 bytes (568 bits)
    Capture Length: 71 bytes (568 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: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3), Dst: VMware_9f:00:7f (00:50:56:9f:00:7f)
    Destination: VMware_9f:00:7f (00:50:56:9f:00:7f)
        Address: VMware_9f:00:7f (00:50:56:9f:00:7f)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
        Address: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.141.182.222, Dst: 202.141.180.1
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 57
    Identification: 0x8c0e (35854)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 128
    Protocol: UDP (17)
    Header Checksum: 0xaeaa [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.141.182.222
    Destination Address: 202.141.180.1
User Datagram Protocol, Src Port: 60198, Dst Port: 53
    Source Port: 60198
    Destination Port: 53
    Length: 37
    Checksum: 0xc19b [unverified]
    [Checksum Status: Unverified]
    [Stream index: 6]
    [Timestamps]
        [Time since first frame: 0.000000000 seconds]
        [Time since previous frame: 0.000000000 seconds]
    UDP payload (29 bytes)
Domain Name System (query)
    Transaction ID: 0x0006
    Flags: 0x0100 Standard query
        0... .... .... .... = Response: Message is a query
        .000 0... .... .... = Opcode: Standard query (0)
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... .0.. .... = Z: reserved (0)
        .... .... ...0 .... = Non-authenticated data: Unacceptable
    Questions: 1
    Answer RRs: 0
    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)
        [Response In: 285]
No.     Time           Source                Destination          Protocol Length Info
    285 13.255189      202.141.180.1         202.141.182.222      DNS      484    Standard query response 0x0006 A
www.mit.edu CNAME www.mit.edu.edgekey.net CNAME e9566.dscb.akamaiedge.net A 223.119.214.63 NS n0dscb.akamaiedge.net NS
n3dscb.akamaiedge.net NS n4dscb.akamaiedge.net NS n2dscb.akamaiedge.net NS n5dscb.akamaiedge.net NS
n1dscb.akamaiedge.net NS n6dscb.akamaiedge.net NS n7dscb.akamaiedge.net A 184.26.127.68 A 88.221.81.192 AAAA
2600:1480:e800::c0 A 23.32.240.30 A 184.26.127.55 A 223.119.240.22 A 184.26.127.69 A 184.26.127.54 A 184.26.127.60
Frame 285: 484 bytes on wire (3872 bits), 484 bytes captured (3872 bits) on interface \Device\NPF_{8F4CCA7D-037E-4F4A-
A903-982EA39577AF}, id 0
    Section number: 1
    Interface id: 0 (\Device\NPF_{8F4CCA7D-037E-4F4A-A903-982EA39577AF})
        Interface name: \Device\NPF_{8F4CCA7D-037E-4F4A-A903-982EA39577AF}
        Interface description: WLAN
    Encapsulation type: Ethernet (1)
    Arrival Time: Oct  6, 2023 14:00:59.068936000 中国标准时间
    [Time shift for this packet: 0.000000000 seconds]
    Epoch Time: 1696572059.068936000 seconds
    [Time delta from previous captured frame: 0.024839000 seconds]
    [Time delta from previous displayed frame: 0.110225000 seconds]
    [Time since reference or first frame: 13.255189000 seconds]
    Frame Number: 285
    Frame Length: 484 bytes (3872 bits)
    Capture Length: 484 bytes (3872 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: VMware_9f:00:7f (00:50:56:9f:00:7f), Dst: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
    Destination: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
        Address: LiteonTe_9d:af:b3 (74:4c:a1:9d:af:b3)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Source: VMware_9f:00:7f (00:50:56:9f:00:7f)
        Address: VMware_9f:00:7f (00:50:56:9f:00:7f)
        .... ..0. .... .... .... .... = LG bit: Globally unique address (factory default)
        .... ...0 .... .... .... .... = IG bit: Individual address (unicast)
    Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 202.141.180.1, Dst: 202.141.182.222
    0100 .... = Version: 4
    .... 0101 = Header Length: 20 bytes (5)
    Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
        0000 00.. = Differentiated Services Codepoint: Default (0)
        .... ..00 = Explicit Congestion Notification: Not ECN-Capable Transport (0)
    Total Length: 470
    Identification: 0xf925 (63781)
    000. .... = Flags: 0x0
        0... .... = Reserved bit: Not set
        .0.. .... = Don't fragment: Not set
        ..0. .... = More fragments: Not set
    ...0 0000 0000 0000 = Fragment Offset: 0
    Time to Live: 64
    Protocol: UDP (17)
    Header Checksum: 0x7ff6 [validation disabled]
    [Header checksum status: Unverified]
    Source Address: 202.141.180.1
    Destination Address: 202.141.182.222
User Datagram Protocol, Src Port: 53, Dst Port: 60198
    Source Port: 53
    Destination Port: 60198
    Length: 450
    Checksum: 0xb374 [unverified]
    [Checksum Status: Unverified]
    [Stream index: 6]
    [Timestamps]
        [Time since first frame: 0.110225000 seconds]
        [Time since previous frame: 0.110225000 seconds]
```

```
    UDP payload (442 bytes)
Domain Name System (response)
    Transaction ID: 0x0006
    Flags: 0x8180 Standard query response, No error
        1... .... .... .... = Response: Message is a response
        .000 0... .... .... = Opcode: Standard query (0)
        .... .0.. .... .... = Authoritative: Server is not an authority for domain
        .... ..0. .... .... = Truncated: Message is not truncated
        .... ...1 .... .... = Recursion desired: Do query recursively
        .... .... 1... .... = Recursion available: Server can do recursive queries
        .... .... .0.. .... = Z: reserved (0)
        .... .... ..0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... .... ...0 .... = Non-authenticated data: Unacceptable
        .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 3
    Authority RRs: 8
    Additional RRs: 9
    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
            Name: www.mit.edu
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 1014 (16 minutes, 54 seconds)
            Data length: 25
            CNAME: www.mit.edu.edgekey.net
        www.mit.edu.edgekey.net: type CNAME, class IN, cname e9566.dscb.akamaiedge.net
            Name: www.mit.edu.edgekey.net
            Type: CNAME (Canonical NAME for an alias) (5)
            Class: IN (0x0001)
            Time to live: 60 (1 minute)
            Data length: 24
            CNAME: e9566.dscb.akamaiedge.net
        e9566.dscb.akamaiedge.net: type A, class IN, addr 223.119.214.63
            Name: e9566.dscb.akamaiedge.net
            Type: A (Host Address) (1)
            Class: IN (0x0001)
            Time to live: 20 (20 seconds)
            Data length: 4
            Address: 223.119.214.63
    Authoritative nameservers
        dscb.akamaiedge.net: type NS, class IN, ns n0dscb.akamaiedge.net
            Name: dscb.akamaiedge.net
            Type: NS (authoritative Name Server) (2)
            Class: IN (0x0001)
            Time to live: 25 (25 seconds)
            Data length: 9
            Name Server: n0dscb.akamaiedge.net
        dscb.akamaiedge.net: type NS, class IN, ns n3dscb.akamaiedge.net
            Name: dscb.akamaiedge.net
            Type: NS (authoritative Name Server) (2)
            Class: IN (0x0001)
            Time to live: 25 (25 seconds)
            Data length: 9
            Name Server: n3dscb.akamaiedge.net
        dscb.akamaiedge.net: type NS, class IN, ns n4dscb.akamaiedge.net
            Name: dscb.akamaiedge.net
            Type: NS (authoritative Name Server) (2)
            Class: IN (0x0001)
            Time to live: 25 (25 seconds)
            Data length: 9
            Name Server: n4dscb.akamaiedge.net
        dscb.akamaiedge.net: type NS, class IN, ns n2dscb.akamaiedge.net
            Name: dscb.akamaiedge.net
            Type: NS (authoritative Name Server) (2)
            Class: IN (0x0001)
            Time to live: 25 (25 seconds)
            Data length: 9
```

```
        Name Server: n2dscb.akamaiedge.net
    dscb.akamaiedge.net: type NS, class IN, ns n5dscb.akamaiedge.net
        Name: dscb.akamaiedge.net
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 25 (25 seconds)
        Data length: 9
        Name Server: n5dscb.akamaiedge.net
    dscb.akamaiedge.net: type NS, class IN, ns n1dscb.akamaiedge.net
        Name: dscb.akamaiedge.net
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 25 (25 seconds)
        Data length: 9
        Name Server: n1dscb.akamaiedge.net
    dscb.akamaiedge.net: type NS, class IN, ns n6dscb.akamaiedge.net
        Name: dscb.akamaiedge.net
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 25 (25 seconds)
        Data length: 9
        Name Server: n6dscb.akamaiedge.net
    dscb.akamaiedge.net: type NS, class IN, ns n7dscb.akamaiedge.net
        Name: dscb.akamaiedge.net
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 25 (25 seconds)
        Data length: 9
        Name Server: n7dscb.akamaiedge.net
Additional records
    n4dscb.akamaiedge.net: type A, class IN, addr 184.26.127.68
        Name: n4dscb.akamaiedge.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 184.26.127.68
    n0dscb.akamaiedge.net: type A, class IN, addr 88.221.81.192
        Name: n0dscb.akamaiedge.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 88.221.81.192
    n0dscb.akamaiedge.net: type AAAA, class IN, addr 2600:1480:e800::c0
        Name: n0dscb.akamaiedge.net
        Type: AAAA (IPv6 Address) (28)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 16
        AAAA Address: 2600:1480:e800::c0
    n6dscb.akamaiedge.net: type A, class IN, addr 23.32.240.30
        Name: n6dscb.akamaiedge.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 23.32.240.30
    n2dscb.akamaiedge.net: type A, class IN, addr 184.26.127.55
        Name: n2dscb.akamaiedge.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 184.26.127.55
    n7dscb.akamaiedge.net: type A, class IN, addr 223.119.240.22
        Name: n7dscb.akamaiedge.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 223.119.240.22
    n1dscb.akamaiedge.net: type A, class IN, addr 184.26.127.69
        Name: n1dscb.akamaiedge.net
        Type: A (Host Address) (1)
```

```
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 184.26.127.69
    n5dscb.akamaiedge.net: type A, class IN, addr 184.26.127.54
        Name: n5dscb.akamaiedge.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 184.26.127.54
    n3dscb.akamaiedge.net: type A, class IN, addr 184.26.127.60
        Name: n3dscb.akamaiedge.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 285 (4 minutes, 45 seconds)
        Data length: 4
        Address: 184.26.127.60
[Request In: 282]
[Time: 0.110225000 seconds]
```