```
0.863124
                                     192.168.1.1
                                                                                  DNS
                                                                                                   Standard query response 0x5232 A
   159 22.326089
                                                            192.168.1.15
                                                                                            539
www.univie.ac.at A 131.130.70.8 NS g.root-servers.net NS f.root-servers.net NS l.root-servers.net NS d.root-servers.net NS a.root-servers.net
NS b.root-servers.net NS i.root-servers.net NS c.root-servers.net NS h.root-servers.net NS e.root-servers.net NS k.root-servers.net NS
m.root-servers.net NS j.root-servers.net A 198.41.0.4 AAAA 2001:503:ba3e::2:30 A 192.228.79.201 AAAA 2001:500:84::b A 192.33.4.12 AAAA
2001:500:2::c A 199.7.91.13 AAAA 2001:500:2d::d A 192.203.230.10 AAAA 2001:500:a8::e A 192.5.5.241
Frame 159: 539 bytes on wire (4312 bits), 539 bytes captured (4312 bits) on interface 0 Interface id: 0 (\Device\NPF_{B398B5E9-6C31-4206-9C35-6D0F66E255A3})
   Encapsulation type: Ethernet (1)
   Arrival Time: Mar 13, 2017 18:58:43.136892000 SE Asia Standard Time
   [Time shift for this packet: 0.000000000 seconds]
   Epoch Time: 1489406323.136892000 seconds
    [Time delta from previous captured frame: 0.541937000 seconds]
    [Time delta from previous displayed frame: 0.863124000 seconds]
    [Time since reference or first frame: 22.326089000 seconds]
   Frame Number: 159
   Frame Length: 539 bytes (4312 bits)
   Capture Length: 539 bytes (4312 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: Fiberhom_ff:d5:30 (18:a3:e8:ff:d5:30), Dst: HonHaiPr_d6:a4:11 (38:b1:db:d6:a4:11)
   Destination: HonHaiPr_d6:a4:11 (38:b1:db:d6:a4:11)
Address: HonHaiPr_d6:a4:11 (38:b1:db:d6:a4:11)
        .... .0. .... = LG bit: Globally unique address (factory default)
        .... ...0 .... = IG bit: Individual address (unicast)
   Source: Fiberhom_ff:d5:30 (18:a3:e8:ff:d5:30)
       Address: Fiberhom_ff:d5:30 (18:a3:e8:ff:d5:30)
        .... .0. .... = LG bit: Globally unique address (factory default)
        .... = IG bit: Individual address (unicast)
   Type: IPv4 (0x0800)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.15
   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: 525
   Identification: 0x89a5 (35237)
   Flags: 0x02 (Don't Fragment)
       0... = Reserved bit: Not set
       .1.. .... = Don't fragment: Set
   ..0. .... = More fragments: Not set Fragment offset: 0
   Time to live: 252
   Protocol: UDP (17)
   Header checksum: 0x6fd9 [validation disabled]
   [Header checksum status: Unverified]
   Source: 192.168.1.1
   Destination: 192.168.1.15
   [Source GeoIP: Unknown]
   [Destination GeoIP: Unknown]
User Datagram Protocol, Src Port: 53, Dst Port: 58439
   Source Port: 53
   Destination Port: 58439
   Length: 505
   Checksum: 0xb825 [unverified]
   [Checksum Status: Unverified]
    [Stream index: 11]
Domain Name System (response)
   [Request In: 141]
    [Time: 0.863124000 seconds]
   Transaction ID: 0x5232
   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
        .... = Z: reserved (0)
        .... ...0. .... = Answer authenticated: Answer/authority portion was not authenticated by the server
        .... = Non-authenticated data: Unacceptable
        .... .... 0000 = Reply code: No error (0)
   Questions: 1
   Answer RRs: 1
   Authority RRs: 13
   Additional RRs: 11
   Queries
        www.univie.ac.at: type A, class IN
           Name: www.univie.ac.at
            [Name Length: 16]
            [Label Count: 4]
            Type: A (Host Address) (1)
            Class: IN (0x0001)
   Answers
       www.univie.ac.at: type A, class IN, addr 131.130.70.8
           Name: www.univie.ac.at
            Type: A (Host Address) (1)
            Class: IN (0x0001)
           Time to live: 600
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```
Data length: 4
        Address: 131.130.70.8
Authoritative nameservers
    <Root>: type NS, class IN, ns g.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 20
        Name Server: g.root-servers.net
    <Root>: type NS, class IN, ns f.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: f.root-servers.net
    <Root>: type NS, class IN, ns 1.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: 1.root-servers.net
    <Root>: type NS, class IN, ns d.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: d.root-servers.net
    <Root>: type NS, class IN, ns a.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: a.root-servers.net
    <Root>: type NS, class IN, ns b.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: b.root-servers.net
    <Root>: type NS, class IN, ns i.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: i.root-servers.net
    <Root>: type NS, class IN, ns c.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: c.root-servers.net
    <Root>: type NS, class IN, ns h.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: h.root-servers.net
    <Root>: type NS, class IN, ns e.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: e.root-servers.net
    <Root>: type NS, class IN, ns k.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: k.root-servers.net
    <Root>: type NS, class IN, ns m.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
        Data length: 4
        Name Server: m.root-servers.net
    <Root>: type NS, class IN, ns j.root-servers.net
        Name: <Root>
        Type: NS (authoritative Name Server) (2)
        Class: IN (0x0001)
        Time to live: 5605
```

```
Data length: 4
       Name Server: j.root-servers.net
Additional records
    a.root-servers.net: type A, class IN, addr 198.41.0.4
        Name: a.root-servers.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 91553
       Data length: 4
       Address: 198.41.0.4
    a.root-servers.net: type AAAA, class IN, addr 2001:503:ba3e::2:30
       Name: a.root-servers.net
        Type: AAAA (IPv6 Address) (28)
        Class: IN (0x0001)
        Time to live: 169789
        Data length: 16
        AAAA Address: 2001:503:ba3e::2:30
    b.root-servers.net: type A, class IN, addr 192.228.79.201
        Name: b.root-servers.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 325844
        Data length: 4
        Address: 192.228.79.201
    b.root-servers.net: type AAAA, class IN, addr 2001:500:84::b
       Name: b.root-servers.net
        Type: AAAA (IPv6 Address) (28)
        Class: IN (0x0001)
        Time to live: 184708
        Data length: 16
       AAAA Address: 2001:500:84::b
    c.root-servers.net: type A, class IN, addr 192.33.4.12
       Name: c.root-servers.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 138315
        Data length: 4
       Address: 192.33.4.12
    c.root-servers.net: type AAAA, class IN, addr 2001:500:2::c
        Name: c.root-servers.net
        Type: AAAA (IPv6 Address) (28)
        Class: IN (0x0001)
        Time to live: 246150
        Data length: 16
        AAAA Address: 2001:500:2::c
    d.root-servers.net: type A, class IN, addr 199.7.91.13
        Name: d.root-servers.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 246150
        Data length: 4
        Address: 199.7.91.13
    d.root-servers.net: type AAAA, class IN, addr 2001:500:2d::d
        Name: d.root-servers.net
        Type: AAAA (IPv6 Address) (28)
        Class: IN (0x0001)
        Time to live: 592200
        Data length: 16
        AAAA Address: 2001:500:2d::d
    e.root-servers.net: type A, class IN, addr 192.203.230.10
        Name: e.root-servers.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 325844
        Data length: 4
        Address: 192.203.230.10
    e.root-servers.net: type AAAA, class IN, addr 2001:500:a8::e
       Name: e.root-servers.net
        Type: AAAA (IPv6 Address) (28)
        Class: IN (0x0001)
        Time to live: 244814
        Data length: 16
       AAAA Address: 2001:500:a8::e
    f.root-servers.net: type A, class IN, addr 192.5.5.241
        Name: f.root-servers.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 396638
        Data length: 4
        Address: 192.5.5.241
```