

No. Time Source Destination Protocol Length Info
1 0.000000 192.168.0.101 192.168.0.1 DNS 72 Standard query 0x58a0 A www.ietf.org
Frame 1: 72 bytes on wire (576 bits), 72 bytes captured (576 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b), Dst: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 192.168.0.1
User Datagram Protocol, Src Port: 49626, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x58a0
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.ietf.org: type A, class IN
Name: www.ietf.org
[Name Length: 12]
[Label Count: 3]
Type: A (Host Address) (1)
Class: IN (0x0001)

[Response In: 3]

No. Time Source Destination Protocol Length Info
2 0.025988 192.168.0.101 192.168.0.1 DNS 72 Standard query 0x58a0 A www.ietf.org
Frame 2: 72 bytes on wire (576 bits), 72 bytes captured (576 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b), Dst: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de)
Internet Protocol Version 4, Src: 192.168.0.101, Dst: 192.168.0.1
User Datagram Protocol, Src Port: 49626, Dst Port: 53
Domain Name System (query)

Transaction ID: 0x58a0
[Expert Info (Warning/Protocol): DNS query retransmission. Original request in frame 1]
[DNS query retransmission. Original request in frame 1]
[Severity level: Warning]
[Group: Protocol]

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.ietf.org: type A, class IN
Name: www.ietf.org
[Name Length: 12]
[Label Count: 3]
Type: A (Host Address) (1)
Class: IN (0x0001)

[Retransmitted request. Original request in: 1]
[Retransmission: True]

No. Time Source Destination Protocol Length Info
3 0.168464 192.168.0.1 192.168.0.101 DNS 149 Standard query response 0x58a0 A www.ietf.org
CNAME www.ietf.org.cdn.cloudflare.net A 104.20.0.85 A 104.20.1.85
Frame 3: 149 bytes on wire (1192 bits), 149 bytes captured (1192 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de), Dst: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.101
User Datagram Protocol, Src Port: 53, Dst Port: 49626
Domain Name System (response)
Transaction ID: 0x58a0
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

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    .... ..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: 0
Additional RRs: 0
Queries
    www.ietf.org: type A, class IN
        Name: www.ietf.org
        [Name Length: 12]
        [Label Count: 3]
        Type: A (Host Address) (1)
        Class: IN (0x0001)
Answers
    www.ietf.org: type CNAME, class IN, cname www.ietf.org.cdn.cloudflare.net
        Name: www.ietf.org
        Type: CNAME (Canonical NAME for an alias) (5)
        Class: IN (0x0001)
        Time to live: 300 (5 minutes)
        Data length: 33
        CNAME: www.ietf.org.cdn.cloudflare.net
    www.ietf.org.cdn.cloudflare.net: type A, class IN, addr 104.20.0.85
        Name: www.ietf.org.cdn.cloudflare.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 148 (2 minutes, 28 seconds)
        Data length: 4
        Address: 104.20.0.85
    www.ietf.org.cdn.cloudflare.net: type A, class IN, addr 104.20.1.85
        Name: www.ietf.org.cdn.cloudflare.net
        Type: A (Host Address) (1)
        Class: IN (0x0001)
        Time to live: 148 (2 minutes, 28 seconds)
        Data length: 4
        Address: 104.20.1.85
[Request In: 1]
[Time: 0.168464000 seconds]
No.      Time      Source      Destination      Protocol Length Info
  9 0.337704    192.168.0.1    192.168.0.101    DNS        149    Standard query response 0x58a0 A www.ietf.org
CNAME www.ietf.org.cdn.cloudflare.net A 104.20.0.85 A 104.20.1.85
Frame 9: 149 bytes on wire (1192 bits), 149 bytes captured (1192 bits) on interface
\Device\NPF_{93DF5BA3-6DF2-41A0-8F80-385CAAF6BF13}, id 0
Ethernet II, Src: Tp-LinkT_b2:4c:de (7c:8b:ca:b2:4c:de), Dst: HonHaiPr_93:ff:4b (90:32:4b:93:ff:4b)
Internet Protocol Version 4, Src: 192.168.0.1, Dst: 192.168.0.101
User Datagram Protocol, Src Port: 53, Dst Port: 49626
Domain Name System (response)
    Transaction ID: 0x58a0
    [Expert Info (Warning/Protocol): DNS response retransmission. Original response in frame 3]
    [DNS response retransmission. Original response in frame 3]
    [Severity level: Warning]
    [Group: Protocol]
Flags: 0x8180 Standard query response, No error
    1... ..0. .... = Response: Message is a response
    .000 0... ..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: 0
Additional RRs: 0
Queries
    www.ietf.org: type A, class IN
        Name: www.ietf.org
        [Name Length: 12]
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[Label Count: 3]
Type: A (Host Address) (1)
Class: IN (0x0001)

Answers

www.ietf.org: type CNAME, class IN, cname www.ietf.org.cdn.cloudflare.net
Name: www.ietf.org
Type: CNAME (Canonical NAME for an alias) (5)
Class: IN (0x0001)
Time to live: 300 (5 minutes)
Data length: 33
CNAME: www.ietf.org.cdn.cloudflare.net
www.ietf.org.cdn.cloudflare.net: type A, class IN, addr 104.20.0.85
Name: www.ietf.org.cdn.cloudflare.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 203 (3 minutes, 23 seconds)
Data length: 4
Address: 104.20.0.85
www.ietf.org.cdn.cloudflare.net: type A, class IN, addr 104.20.1.85
Name: www.ietf.org.cdn.cloudflare.net
Type: A (Host Address) (1)
Class: IN (0x0001)
Time to live: 203 (3 minutes, 23 seconds)
Data length: 4
Address: 104.20.1.85

[Retransmitted response. Original response in: 3]
[Retransmission: True]