

| No. | Time     | Source      | Destination | Protocol | Length | Info     |
|-----|----------|-------------|-------------|----------|--------|----------|
| 6   | 4.845089 | 172.20.10.9 | 172.20.10.1 | DNS      | 72     | Standard |

query 0x4f04 A www.ietf.org  
Frame 6: 72 bytes on wire (576 bits), 72 bytes captured (576 bits) on interface en0, id 0  
Ethernet II, Src: Apple\_cd:fc:62 (a4:d1:8c:cd:fc:62), Dst: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64)  
Internet Protocol Version 4, Src: 172.20.10.9, Dst: 172.20.10.1  
User Datagram Protocol, Src Port: 22769, Dst Port: 53  
Domain Name System (query)  
Transaction ID: 0x4f04  
Flags: 0x0100 Standard query  
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: 20]

| No. | Time     | Source      | Destination | Protocol | Length | Info     |
|-----|----------|-------------|-------------|----------|--------|----------|
| 20  | 5.160423 | 172.20.10.1 | 172.20.10.9 | DNS      | 149    | Standard |

query response 0x4f04 A www.ietf.org CNAME www.ietf.org.cdn.cloudflare.net A 104.20.0.85 A 104.20.1.85

Frame 20: 149 bytes on wire (1192 bits), 149 bytes captured (1192 bits) on interface en0, id 0

Ethernet II, Src: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64), Dst: Apple\_cd:fc:62 (a4:d1:8c:cd:fc:62)

Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.9

User Datagram Protocol, Src Port: 53, Dst Port: 22769

Domain Name System (response)

- Transaction ID: 0x4f04
- Flags: 0x8180 Standard query response, No error
- 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: 2252 (37 minutes, 32 seconds)
  - 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: 377 (6 minutes, 17 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: 377 (6 minutes, 17 seconds)
  - Data length: 4
  - Address: 104.20.1.85

[Request In: 6]

[Time: 0.315334000 seconds]

| No. | Time     | Source      | Destination | Protocol | Length | Info     |
|-----|----------|-------------|-------------|----------|--------|----------|
| 318 | 7.219158 | 172.20.10.9 | 172.20.10.1 | DNS      | 78     | Standard |

query 0xf0c3 A analytics.ietf.org  
Frame 318: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface en0, id 0  
Ethernet II, Src: Apple\_cd:fc:62 (a4:d1:8c:cd:fc:62), Dst: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64)  
Internet Protocol Version 4, Src: 172.20.10.9, Dst: 172.20.10.1  
User Datagram Protocol, Src Port: 23141, Dst Port: 53  
Domain Name System (query)  
Transaction ID: 0xf0c3  
Flags: 0x0100 Standard query  
Questions: 1  
Answer RRs: 0  
Authority RRs: 0  
Additional RRs: 0  
Queries  
analytics.ietf.org: type A, class IN  
Name: analytics.ietf.org  
[Name Length: 18]  
[Label Count: 3]  
Type: A (Host Address) (1)  
Class: IN (0x0001)  
[Response In: 673]

| No. | Time     | Source      | Destination | Protocol | Length | Info     |
|-----|----------|-------------|-------------|----------|--------|----------|
| 673 | 8.078263 | 172.20.10.1 | 172.20.10.9 | DNS      | 108    | Standard |

query response 0xf0c3 A analytics.ietf.org CNAME ietf.org A 4.31.198.44  
Frame 673: 108 bytes on wire (864 bits), 108 bytes captured (864 bits) on interface en0, id 0  
Ethernet II, Src: 4e:57:ca:c5:1e:64 (4e:57:ca:c5:1e:64), Dst: Apple\_cd:fc:62 (a4:d1:8c:cd:fc:62)  
Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.9  
User Datagram Protocol, Src Port: 53, Dst Port: 23141  
Domain Name System (response)  
Transaction ID: 0xf0c3  
Flags: 0x8180 Standard query response, No error  
Questions: 1  
Answer RRs: 2  
Authority RRs: 0  
Additional RRs: 0  
Queries  
analytics.ietf.org: type A, class IN  
Name: analytics.ietf.org  
[Name Length: 18]  
[Label Count: 3]  
Type: A (Host Address) (1)  
Class: IN (0x0001)  
Answers  
analytics.ietf.org: type CNAME, class IN, cname ietf.org  
Name: analytics.ietf.org  
Type: CNAME (Canonical NAME for an alias) (5)  
Class: IN (0x0001)  
Time to live: 2252 (37 minutes, 32 seconds)  
Data length: 2  
CNAME: ietf.org  
ietf.org: type A, class IN, addr 4.31.198.44  
Name: ietf.org  
Type: A (Host Address) (1)  
Class: IN (0x0001)  
Time to live: 2252 (37 minutes, 32 seconds)  
Data length: 4  
Address: 4.31.198.44  
[Request In: 318]  
[Time: 0.859105000 seconds]