

No.	Time	Source	Destination	Protocol	Length	Info
14	4.265127	172.20.10.9	172.20.10.1	DNS	71	Standard

query 0xb29d A www.mit.edu

Frame 14: 71 bytes on wire (568 bits), 71 bytes captured (568 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: 51716, Dst Port: 53

Domain Name System (query)

- Transaction ID: 0xb29d
- Flags: 0x0100 Standard query
- 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: 15]

No.	Time	Source	Destination	Protocol	Length	Info
15	4.846831	172.20.10.1	172.20.10.9	DNS	160	Standard

query response 0xb29d A www.mit.edu CNAME www.mit.edu.edgekey.net CNAME
e9566.dscb.akamaiedge.net A 104.96.141.207

Frame 15: 160 bytes on wire (1280 bits), 160 bytes captured (1280 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: 51716
Domain Name System (response)
Transaction ID: 0xb29d
Flags: 0x8180 Standard query response, No error
Questions: 1
Answer RRs: 3
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)
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: 1473 (24 minutes, 33 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: 77 (1 minute, 17 seconds)
 Data length: 24
 CNAME: e9566.dscb.akamaiedge.net
 e9566.dscb.akamaiedge.net: type A, class IN, addr 104.96.141.207
 Name: e9566.dscb.akamaiedge.net
 Type: A (Host Address) (1)
 Class: IN (0x0001)
 Time to live: 27 (27 seconds)
 Data length: 4
 Address: 104.96.141.207
[Request In: 14]
[Time: 0.581704000 seconds]

No.	Time	Source	Destination	Protocol	Length	Info
18	14.532066	172.20.10.9	172.20.10.1	DNS	100	Standard

query 0x79c1 PTR lb._dns-sd._udp.0.10.20.172.in-addr.arpa
Frame 18: 100 bytes on wire (800 bits), 100 bytes captured (800 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: 58251, Dst Port: 53
Domain Name System (query)
Transaction ID: 0x79c1
Flags: 0x0100 Standard query
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
lb._dns-sd._udp.0.10.20.172.in-addr.arpa: type PTR, class IN
Name: lb._dns-sd._udp.0.10.20.172.in-addr.arpa
[Name Length: 40]
[Label Count: 9]
Type: PTR (domain name Pointer) (12)
Class: IN (0x0001)
[Response In: 19]

No.	Time	Source	Destination	Protocol	Length	Info
19	14.536379	172.20.10.1	172.20.10.9	DNS	100	Standard query response 0x79c1 Server failure PTR lb._dns-sd._udp.0.10.20.172.in-addr.arpa

Frame 19: 100 bytes on wire (800 bits), 100 bytes captured (800 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: 58251
Domain Name System (response)
Transaction ID: 0x79c1
Flags: 0x8002 Standard query response, Server failure
Questions: 1
Answer RRs: 0
Authority RRs: 0
Additional RRs: 0
Queries
lb._dns-sd._udp.0.10.20.172.in-addr.arpa: type PTR, class IN
Name: lb._dns-sd._udp.0.10.20.172.in-addr.arpa
[Name Length: 40]
[Label Count: 9]
Type: PTR (domain name Pointer) (12)
Class: IN (0x0001)
[Request In: 18]
[Time: 0.004313000 seconds]