Lab Assignment 2A

1.

i. **A Record:** Maps a domain name to an IPv4 address.
AAAA Record: Maps a domain name to an IPv6 address.
CNAME Record: Provides an alias that points to another canonical domain name.
MX Record: Identifies the mail server(s) for handling email for the domain.
NS Record: Specifies the authoritative name servers for the domain.
PTR Record: Provides reverse DNS, mapping an IP address back to a hostname.
SOA Record: Holds administrative information about the domain (e.g., primary server, email of domain admin).
TXT Record: Stores text information, often used for verification and policies (like SPF, DKIM).

ii. nslookup [options] [domain-name] [dns-server]
options → flags you can add (like -type=MX to look up mail records).
domain-name → the website or host you're querying (e.g., www.google.com)
dns-server → optional; lets you specify which DNS server to use (e.g., 8.8.8.8 for Google DNS).

iii. The default DNS type is an A record (IPv4 address record).

iv.

```
C:\Users\brwne>nslookup -type=CNAME www.microsoft.com
Server:  UnKnown
Address:  fe80::3888:a4ff:fe10:9064

Non-authoritative answer:
www.microsoft.com       canonical name = www.microsoft.com-c-3.edgekey.net
```

v. This means the response was given by a caching DNS resolver, not directly from Microsoft's authoritative DNS servers.

```
C:\Users\brwne>nslookup -type=CNAME www.microsoft.com
Server:  UnKnown
Address:  fe80::3888:a4ff:fe10:9064

Non-authoritative answer:
www.microsoft.com       canonical name = www.microsoft.com-c-3.edgekey.net

C:\Users\brwne>nslookup -type=MX www.microsoft.com
Server:  UnKnown
Address:  fe80::3888:a4ff:fe10:9064

Non-authoritative answer:
www.microsoft.com       canonical name = www.microsoft.com-c-3.edgekey.net
www.microsoft.com-c-3.edgekey.net       canonical name = www.microsoft.com-c-3.edgekey.net.globalredir.akadns.net
www.microsoft.com-c-3.edgekey.net.globalredir.akadns.net        canonical name = e13678.dscb.akamaiedge.net

dscb.akamaiedge.net
        primary name server = n0dscb.akamaiedge.net
        responsible mail addr = hostmaster.akamai.com
        serial  = 1758553442
        refresh = 1000 (16 mins 40 secs)
        retry   = 1000 (16 mins 40 secs)
        expire  = 1000 (16 mins 40 secs)
        default TTL = 1800 (30 mins)
```

vi. A non-authoritative answer means the response was provided by a caching DNS resolver (such as Google DNS or my ISP's DNS) instead of coming directly from the FCC's authoritative name servers.

```
C:\Users\brwne>nslookup www.fcc.gov
Server:  UnKnown
Address:  fe80::3888:a4ff:fe10:9064

Non-authoritative answer:
Name:    e4909.dscb.akamaiedge.net
Addresses:  2600:1407:7400:1082::132d
          2600:1407:7400:108e::132d
          2.17.83.123
Aliases:  www.fcc.gov
          www.fcc.gov.edgekey.net
```

vii. The "www" version of Cisco's site uses Akamai CDN for load balancing and content delivery, while the bare domain (cisco.com) points directly to Cisco's own servers.

```
C:\Users\brwne>nslookup www.cisco.com
Server:  UnKnown
Address:  fe80::3888:a4ff:fe10:9064

Non-authoritative answer:
Name:    e2867.dsca.akamaiedge.net
Addresses:  2600:1407:3c00:1583::b33
          2600:1407:3c00:158c::b33
          184.31.100.119
Aliases:  www.cisco.com
          www.cisco.com.akadns.net
          wwwds.cisco.com.edgekey.net
          wwwds.cisco.com.edgekey.net.globalredir.akadns.net


C:\Users\brwne>nslookup cisco.com
Server:  UnKnown
Address:  fe80::3888:a4ff:fe10:9064

Non-authoritative answer:
Name:    cisco.com
Addresses:  2001:420:1101:1::185
          72.163.4.185
```

viii. The DNS query was sent to: fe80::3888:a4ff:fe10:9064
Yes, this is the local DNS resolver configured on my system.

ix. 4:
google.com nameserver = ns1.google.com
google.com nameserver = ns2.google.com
google.com nameserver = ns4.google.com
google.com nameserver = ns3.google.com

ns1.google.com
IPv4: 216.239.32.10
IPv6: 2001:4860:4802:32::a

ns2.google.com
IPv4: 216.239.34.10
IPv6: 2001:4860:4802:34::a

ns3.google.com
IPv4: 216.239.36.10
IPv6: 2001:4860:4802:36::a

ns4.google.com
IPv4: 216.239.38.10
IPv6: 2001:4860:4802:38::a

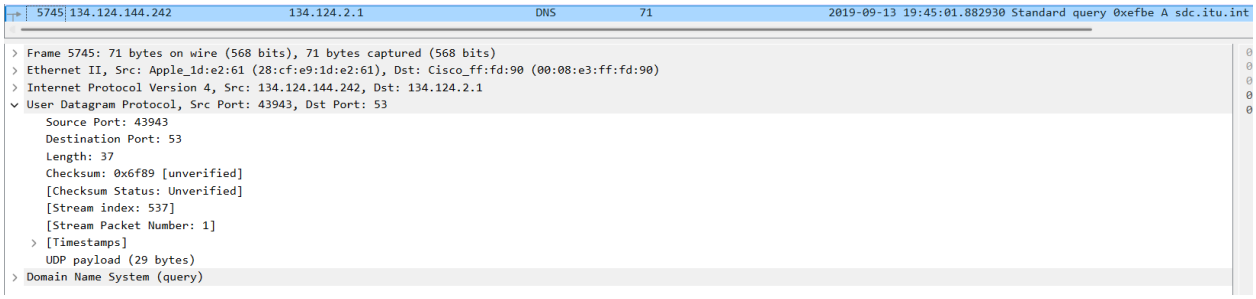
x.

```
C:\Users\brwne>nslookup www.microsoft.com 8.8.8.8
Server:  dns.google
Address:  8.8.8.8

Non-authoritative answer:
Name:    e13678.dscb.akamaiedge.net
Addresses:  2600:1407:7400:1087::356e
          2600:1407:7400:1083::356e
          23.205.97.201
Aliases:  www.microsoft.com
          www.microsoft.com-c-3.edgekey.net
          www.microsoft.com-c-3.edgekey.net.globalredir.akadns.net
```

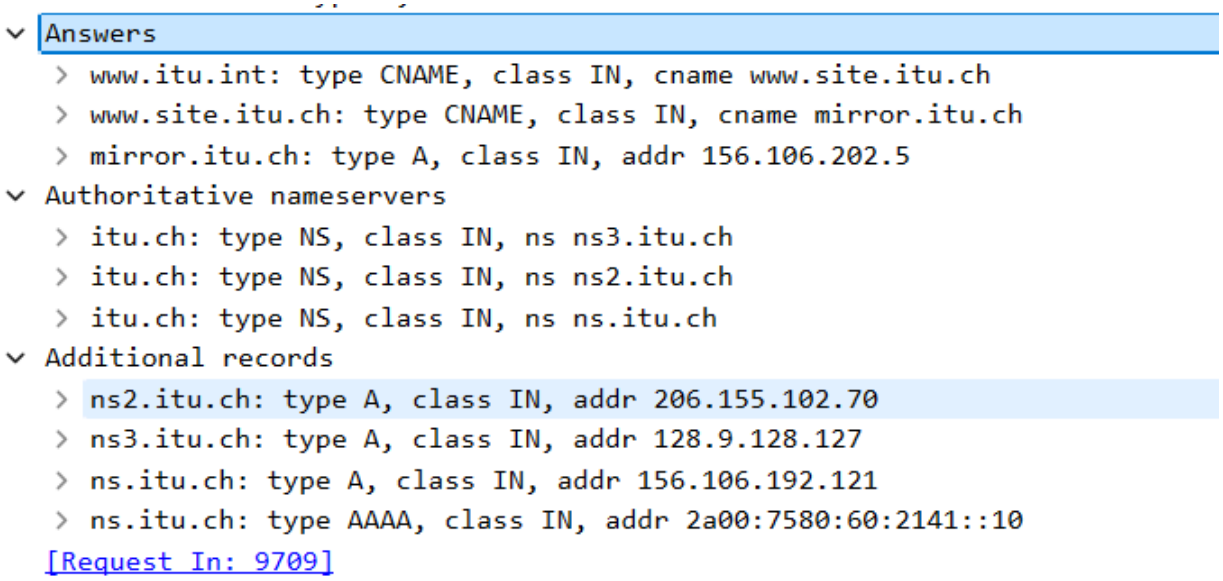
2a.

i. **Transport protocol:** UDP
Source Port: 43943 (this is a random high port chosen by the client)
Destination Port: 53 (standard DNS port)
- Normally used by the DNS protocol to send and receive domain name queries and responses.



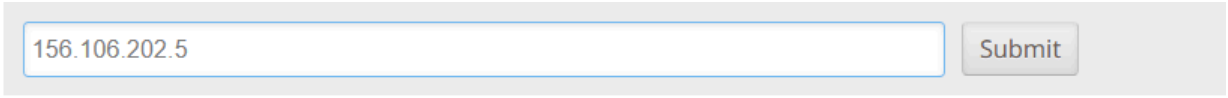
ii. Answer RRs: 3
Authority RRs: 3
Additional RRs: 4
Query sent at 19:45:01.882930
Response received at 19:45:02.029136
Difference ≈ **0.146 seconds (146 ms)**

Answers:



iii. DNS query target: www.itu.int
Resolved IP: 156.106.202.5
WHOIS results: The IP belongs to a legacy block administered by RIPE NCC (Europe's regional registry).

City/Country: Not explicitly listed in WHOIS. However, since the domain is .int and administered by the International Telecommunication Union (ITU), the real host is located in Geneva, Switzerland.




```
% IANA WHOIS server
% for more information on IANA, visit http://www.iana.org
% This query returned 1 object

refer:        whois.arin.net

inetnum:      156.0.0.0 - 156.255.255.255
organisation: Administered by ARIN
status:       LEGACY

whois:        whois.arin.net

changed:      1993-05
source:       IANA
```

You searched for: **156.106.202.5**

Network	
Net Range	156.106.0.0 - 156.106.255.255
CIDR	156.106.0.0/16
Name	RIPE-ERX-156-106-0-0
Handle	NET-156-106-0-0-1
Parent	NET156 (NET-156-0-0-0-0)
Net Type	Early Registrations, Transferred to RIPE NCC
Organization	RIPE Network Coordination Centre (RIPE)
Registration Date	2004-01-07
Last Updated	2025-02-10
Comments	These addresses have been further assigned to users in the RIPE NCC region. Please note that the organization and point of contact details listed below are those of the RIPE NCC not the current address holder. ** You can find user contact information for the current address holder in the RIPE database at http://www.ripe.net/whois.
RESTful Link	https://whois.arin.net/rest/net/NET-156-106-0-0-1
See Also	Related POC records.
See Also	Related organization's POC records.
See Also	Resource links.
See Also	Related delegations.

iv. **CNAME chain:**
www.itu.int → www.site.itu.ch → mirror.itu.ch → A = 156.106.202.5

Authoritative Nameservers:
ns3.itu.ch
ns2.itu.ch
ns.itu.ch
DNS addresses returned (Additional Records):
ns2.itu.ch = 206.155.102.70
ns3.itu.ch = 128.9.128.127
ns.itu.ch = 156.106.192.121 (IPv4)
ns.itu.ch = 2a00:7580:60:2141::10 (IPv6)

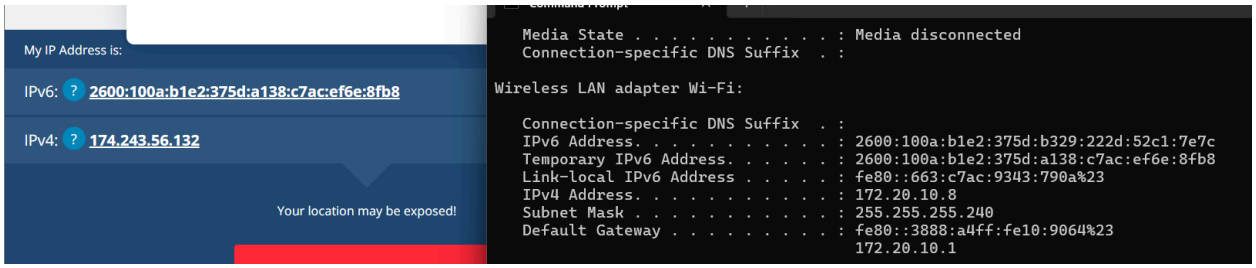
v. **DNS queried (line 2362):** www.googletagmanager.com
Type of DNS in the response: A (IPv4 record)

IP Addresses: www.googletagmanager.com →
www-googletagmanager.l.google.com → 108.177.9.97

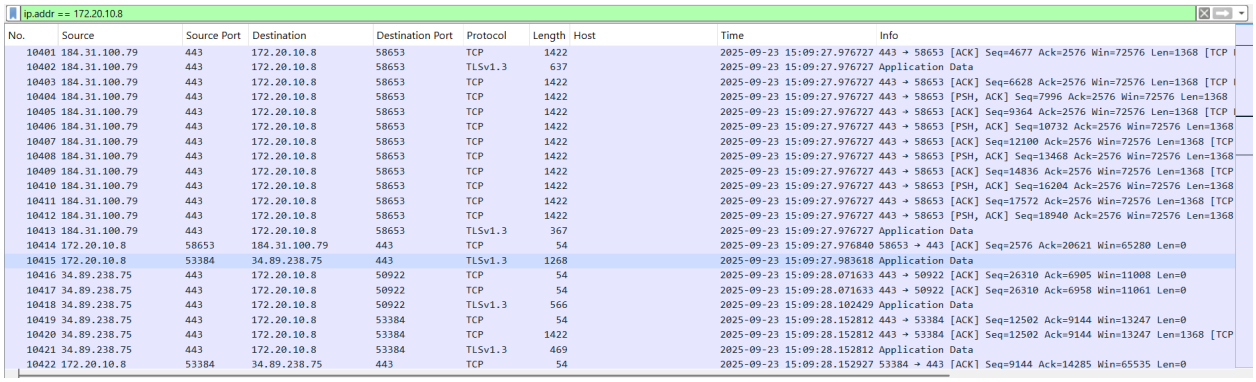
```
Answers
  www.googletagmanager.com: type CNAME, class IN, cname www-googletagmanager.l.google.com
  www-googletagmanager.l.google.com: type A, class IN, addr 108.177.9.97
Authoritative nameservers
  google.com: type NS, class IN, ns ns1.google.com
  google.com: type NS, class IN, ns ns3.google.com
  google.com: type NS, class IN, ns ns2.google.com
  google.com: type NS, class IN, ns ns4.google.com
Additional records
  ns2.google.com: type A, class IN, addr 216.239.34.10
  ns2.google.com: type AAAA, class IN, addr 2001:4860:4802:34::a
  ns1.google.com: type A, class IN, addr 216.239.32.10
  ns1.google.com: type AAAA, class IN, addr 2001:4860:4802:32::a
  ns3.google.com: type A, class IN, addr 216.239.36.10
  ns3.google.com: type AAAA, class IN, addr 2001:4860:4802:36::a
  ns4.google.com: type A, class IN, addr 216.239.38.10
  ns4.google.com: type AAAA, class IN, addr 2001:4860:4802:38::a
```

2b.

i. **My IPv4 address (from ipconfig):** 172.20.10.8
Public IPv4 (from website): 174.243.56.132



ii. .



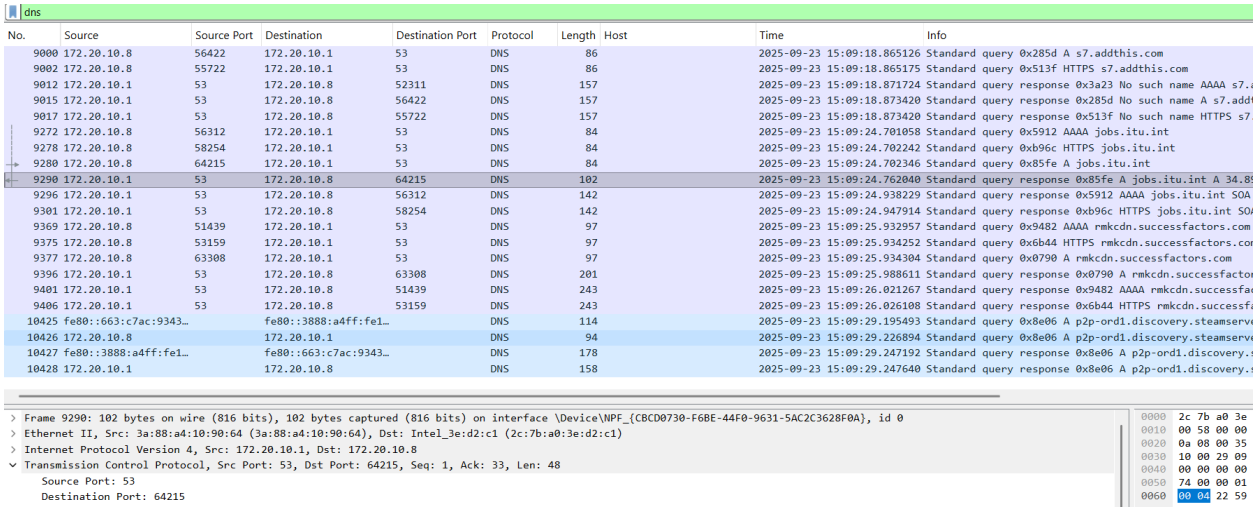
ip.addr == 172.20.10.8

No.	Source	Source Port	Destination	Destination Port	Protocol	Length	Host	Time	Info
10401	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [ACK] Seq=4677 Ack=2576 Win=72576 Len=1368 [TCP
10402	184.31.100.79	443	172.20.10.8	58653	TLSv1.3	637		2025-09-23 15:09:27.976727	Application Data
10403	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [ACK] Seq=6628 Ack=2576 Win=72576 Len=1368 [TCP
10404	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [PSH, ACK] Seq=7996 Ack=2576 Win=72576 Len=1368
10405	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [ACK] Seq=9364 Ack=2576 Win=72576 Len=1368 [TCP
10406	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [PSH, ACK] Seq=10732 Ack=2576 Win=72576 Len=1368
10407	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [ACK] Seq=12100 Ack=2576 Win=72576 Len=1368 [TCP
10408	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [PSH, ACK] Seq=13468 Ack=2576 Win=72576 Len=1368
10409	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [ACK] Seq=14836 Ack=2576 Win=72576 Len=1368 [TCP
10410	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [PSH, ACK] Seq=16204 Ack=2576 Win=72576 Len=1368
10411	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [ACK] Seq=17572 Ack=2576 Win=72576 Len=1368 [TCP
10412	184.31.100.79	443	172.20.10.8	58653	TCP	1422		2025-09-23 15:09:27.976727	443 → 58653 [PSH, ACK] Seq=18940 Ack=2576 Win=72576 Len=1368
10413	184.31.100.79	443	172.20.10.8	58653	TLSv1.3	367		2025-09-23 15:09:27.976727	Application Data
10414	172.20.10.8	58653	184.31.100.79	443	TCP	54		2025-09-23 15:09:27.976840	58653 → 443 [ACK] Seq=2576 Ack=20621 Win=65280 Len=0
10415	172.20.10.8	53384	34.89.238.75	443	TLSv1.3	1268		2025-09-23 15:09:27.983618	Application Data
10416	34.89.238.75	443	172.20.10.8	50922	TCP	54		2025-09-23 15:09:28.071633	443 → 50922 [ACK] Seq=26310 Ack=6905 Win=11008 Len=0
10417	34.89.238.75	443	172.20.10.8	50922	TCP	54		2025-09-23 15:09:28.071633	443 → 50922 [ACK] Seq=26310 Ack=6958 Win=11061 Len=0
10418	34.89.238.75	443	172.20.10.8	50922	TLSv1.3	566		2025-09-23 15:09:28.102429	Application Data
10419	34.89.238.75	443	172.20.10.8	53384	TCP	54		2025-09-23 15:09:28.152812	443 → 53384 [ACK] Seq=12502 Ack=9144 Win=13247 Len=0
10420	34.89.238.75	443	172.20.10.8	53384	TCP	1422		2025-09-23 15:09:28.152812	443 → 53384 [ACK] Seq=12502 Ack=9144 Win=13247 Len=1368 [TCP
10421	34.89.238.75	443	172.20.10.8	53384	TLSv1.3	469		2025-09-23 15:09:28.152812	Application Data
10422	172.20.10.8	53384	34.89.238.75	443	TCP	54		2025-09-23 15:09:28.152927	53384 → 443 [ACK] Seq=9144 Ack=14285 Win=65535 Len=0

iii. UDP (User Datagram Protocol)
Source Port: 51847
Destination Port: 53 (DNS)

iv. DNS response came from: 172.20.10.1
WHOIS lookup result: Belongs to the 172.16.0.0/12 private address block, reserved by IANA under RFC1918.
Meaning: This is my local gateway/hotspot DNS forwarder, not a publicly identifiable server. It forwards my queries to an upstream public DNS resolver.

v. The source and destination port numbers are found in the Transport Layer.
Example from my capture: Source Port = 53, Destination Port = 64215.



dns

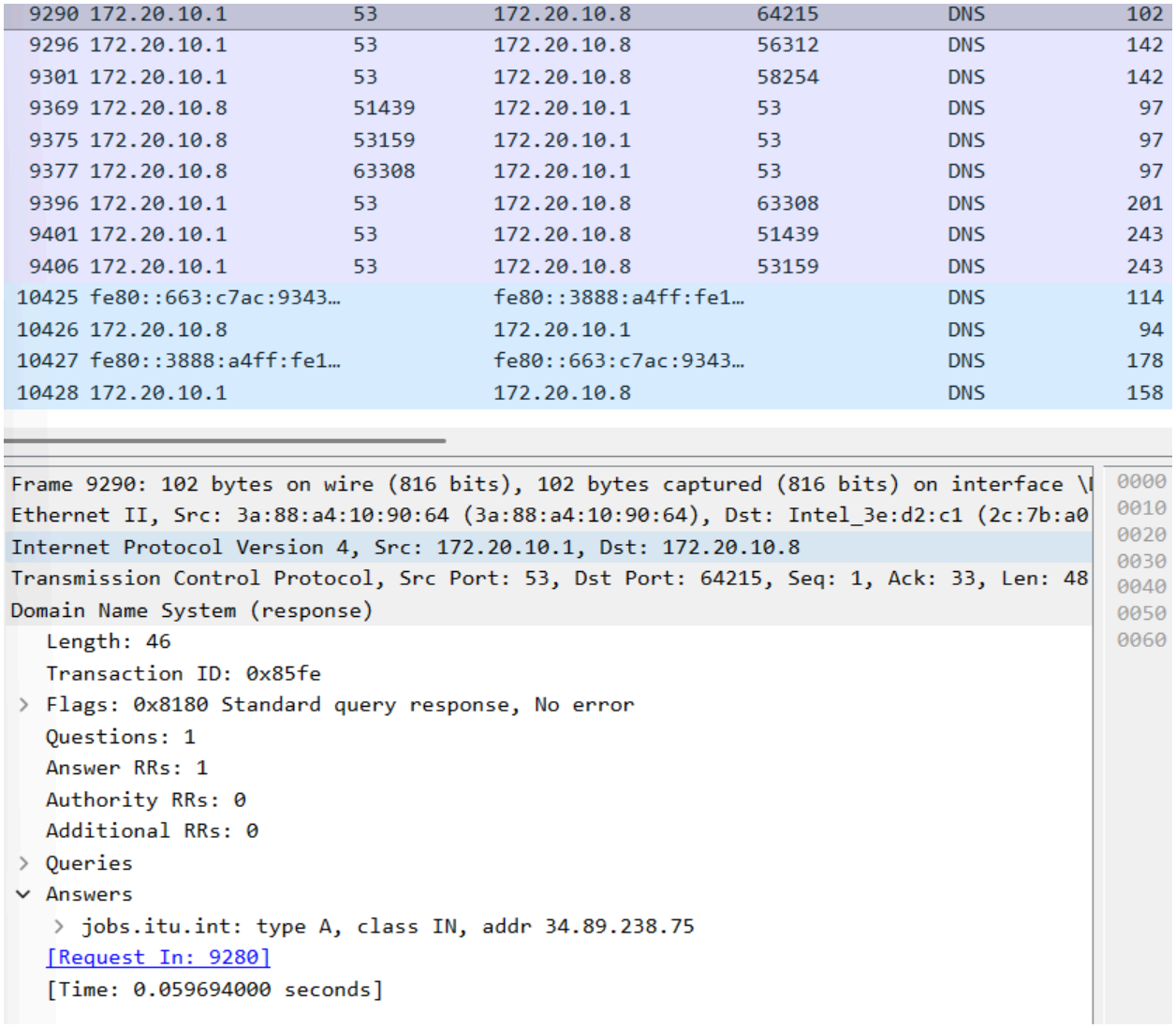
No.	Source	Source Port	Destination	Destination Port	Protocol	Length	Host	Time	Info
9000	172.20.10.8	56422	172.20.10.1	53	DNS	86		2025-09-23 15:09:18.865126	Standard query 0x285d A s7.addthis.com
9002	172.20.10.8	55722	172.20.10.1	53	DNS	86		2025-09-23 15:09:18.865175	Standard query 0x513f HTTPS s7.addthis.com
9012	172.20.10.1	53	172.20.10.8	52311	DNS	157		2025-09-23 15:09:18.871724	Standard query response 0x3a23 No such name AAAA s7.
9015	172.20.10.1	53	172.20.10.8	56422	DNS	157		2025-09-23 15:09:18.873420	Standard query response 0x285d No such name A s7.add
9017	172.20.10.1	53	172.20.10.8	55722	DNS	157		2025-09-23 15:09:18.873420	Standard query response 0x513f No such name HTTPS s7.
9272	172.20.10.8	56312	172.20.10.1	53	DNS	84		2025-09-23 15:09:24.701058	Standard query 0x5912 AAAA jobs.itu.int
9278	172.20.10.8	58254	172.20.10.1	53	DNS	84		2025-09-23 15:09:24.702242	Standard query 0xb96c HTTPS jobs.itu.int
9280	172.20.10.8	64215	172.20.10.1	53	DNS	84		2025-09-23 15:09:24.702346	Standard query 0x85fe A jobs.itu.int
9290	172.20.10.1	53	172.20.10.8	64215	DNS	102		2025-09-23 15:09:24.762040	Standard query response 0x85fe A jobs.itu.int A 34.8
9296	172.20.10.1	53	172.20.10.8	56312	DNS	142		2025-09-23 15:09:24.938229	Standard query response 0x5912 AAAA jobs.itu.int SOA
9301	172.20.10.1	53	172.20.10.8	58254	DNS	142		2025-09-23 15:09:24.947914	Standard query response 0xb96c HTTPS jobs.itu.int SOA
9369	172.20.10.8	51439	172.20.10.1	53	DNS	97		2025-09-23 15:09:25.932957	Standard query 0x9482 AAAA rmkcdn.successfactors.com
9375	172.20.10.8	53159	172.20.10.1	53	DNS	97		2025-09-23 15:09:25.934252	Standard query 0x6b44 HTTPS rmkcdn.successfactors.com
9377	172.20.10.8	63308	172.20.10.1	53	DNS	97		2025-09-23 15:09:25.934304	Standard query 0x0790 A rmkcdn.successfactors.com
9396	172.20.10.1	53	172.20.10.8	63308	DNS	201		2025-09-23 15:09:25.988611	Standard query response 0x0790 A rmkcdn.successfactor
9401	172.20.10.1	53	172.20.10.8	51439	DNS	243		2025-09-23 15:09:26.021267	Standard query response 0x9482 AAAA rmkcdn.successfac
9406	172.20.10.1	53	172.20.10.8	53159	DNS	243		2025-09-23 15:09:26.026108	Standard query response 0x6b44 HTTPS rmkcdn.successfa
10425	fe80::663:c7ac:9343…		fe80::3888:a4ff:fe1…		DNS	114		2025-09-23 15:09:29.195493	Standard query 0x8e06 A p2p-ord1.discovery.steamserve
10426	172.20.10.8		172.20.10.1		DNS	94		2025-09-23 15:09:29.226894	Standard query 0x8e06 A p2p-ord1.discovery.steamserve
10427	fe80::3888:a4ff:fe1…		fe80::663:c7ac:9343…		DNS	178		2025-09-23 15:09:29.247192	Standard query response 0x8e06 A p2p-ord1.discovery.
10428	172.20.10.1		172.20.10.8		DNS	158		2025-09-23 15:09:29.247640	Standard query response 0x8e06 A p2p-ord1.discovery.

```
> Frame 9290: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \Device\NPF_{CBCD0730-F6BE-44F0-9631-5AC2C3628F0A}, id 0
> Ethernet II, Src: 3a:88:a4:10:90:64 (3a:88:a4:10:90:64), Dst: Intel_3e:d2:c1 (2c:7b:a0:3e:d2:c1)
> Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.8
v Transmission Control Protocol, Src Port: 53, Dst Port: 64215, Seq: 1, Ack: 33, Len: 48
    Source Port: 53
    Destination Port: 64215
```

```
0000  2c 7b a0 3e
0010  00 58 00 00
0020  0a 08 00 35
0030  10 00 29 09
0040  00 00 00 00
0050  74 00 00 01
0060  00 04 22 59
```

vi. Packet 9290:
Answer RRs: 1
Authority RRs: 0
Additional RRs: 0

jobs.itu.int → A record = 34.89.238.75



9290	172.20.10.1	53	172.20.10.8	64215	DNS	102
9296	172.20.10.1	53	172.20.10.8	56312	DNS	142
9301	172.20.10.1	53	172.20.10.8	58254	DNS	142
9369	172.20.10.8	51439	172.20.10.1	53	DNS	97
9375	172.20.10.8	53159	172.20.10.1	53	DNS	97
9377	172.20.10.8	63308	172.20.10.1	53	DNS	97
9396	172.20.10.1	53	172.20.10.8	63308	DNS	201
9401	172.20.10.1	53	172.20.10.8	51439	DNS	243
9406	172.20.10.1	53	172.20.10.8	53159	DNS	243
10425	fe80::663:c7ac:9343…		fe80::3888:a4ff:fe1…		DNS	114
10426	172.20.10.8		172.20.10.1		DNS	94
10427	fe80::3888:a4ff:fe1…		fe80::663:c7ac:9343…		DNS	178
10428	172.20.10.1		172.20.10.8		DNS	158

```
Frame 9290: 102 bytes on wire (816 bits), 102 bytes captured (816 bits) on interface \
Ethernet II, Src: 3a:88:a4:10:90:64 (3a:88:a4:10:90:64), Dst: Intel_3e:d2:c1 (2c:7b:a0
Internet Protocol Version 4, Src: 172.20.10.1, Dst: 172.20.10.8
Transmission Control Protocol, Src Port: 53, Dst Port: 64215, Seq: 1, Ack: 33, Len: 48
Domain Name System (response)
    Length: 46
    Transaction ID: 0x85fe
  > Flags: 0x8180 Standard query response, No error
    Questions: 1
    Answer RRs: 1
    Authority RRs: 0
    Additional RRs: 0
  > Queries
  v Answers
    > jobs.itu.int: type A, class IN, addr 34.89.238.75
    [Request In: 9280]
    [Time: 0.059694000 seconds]
```

```
0000
0010
0020
0030
0040
0050
0060
```

vii. 0.059694000 seconds

viii. Recursion Desired (RD): 1 → The client requested recursion.
Recursion Available (RA): 1 → The DNS server allowed recursion.
Therefore, the recursive query method was allowed.

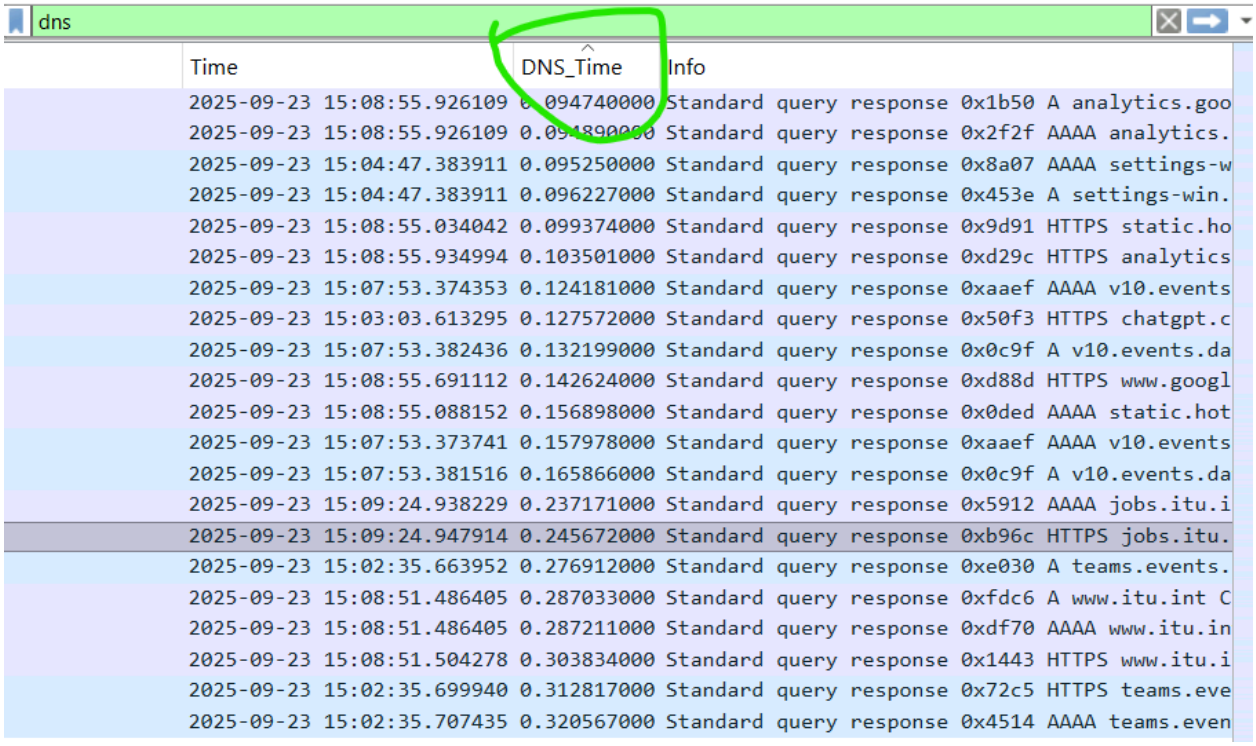
dns

.	Source	Source Port	Destination	Destination Port	Protocol	Length	Host
9000	172.20.10.8	56422	172.20.10.1	53	DNS	86	
9002	172.20.10.8	55722	172.20.10.1	53	DNS	86	
9012	172.20.10.1	53	172.20.10.8	52311	DNS	157	
9015	172.20.10.1	53	172.20.10.8	56422	DNS	157	
9017	172.20.10.1	53	172.20.10.8	55722	DNS	157	
9272	172.20.10.8	56312	172.20.10.1	53	DNS	84	
9278	172.20.10.8	58254	172.20.10.1	53	DNS	84	
9280	172.20.10.8	64215	172.20.10.1	53	DNS	84	
9290	172.20.10.1	53	172.20.10.8	64215	DNS	102	
9296	172.20.10.1	53	172.20.10.8	56312	DNS	142	
9301	172.20.10.1	53	172.20.10.8	58254	DNS	142	
9369	172.20.10.8	51439	172.20.10.1	53	DNS	97	
9375	172.20.10.8	53159	172.20.10.1	53	DNS	97	
9377	172.20.10.8	63308	172.20.10.1	53	DNS	97	
9396	172.20.10.1	53	172.20.10.8	63308	DNS	201	
9401	172.20.10.1	53	172.20.10.8	51439	DNS	243	
9406	172.20.10.1	53	172.20.10.8	53159	DNS	243	
10425	fe80::663:c7ac:9343…		fe80::3888:a4ff:fe1…		DNS	114	
10426	172.20.10.8		172.20.10.1		DNS	94	
10427	fe80::3888:a4ff:fe1…		fe80::663:c7ac:9343…		DNS	178	
10428	172.20.10.1		172.20.10.8		DNS	158	

```
> Transmission Control Protocol, Src Port: 53, Dst Port: 58254, Seq: 1, Ack: 33, Len:
v Domain Name System (response)
    Length: 86
    Transaction ID: 0xb96c
  v 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 a
      .... .... ...0 .... = Non-authenticated data: Unacceptable
      .... .... .... 0000 = Reply code: No error (0)
    Questions: 1
    Answer RRs: 0
    Authority RRs: 1
```

```
0000  2
0010  0
0020  0
0030  1
0040  0
0050  7
0060  0
0070  7
0080  0
```

ix.



dns

Time	DNS_Time	Info
2025-09-23 15:08:55.926109	0.094740000	Standard query response 0x1b50 A analytics.goo
2025-09-23 15:08:55.926109	0.094890000	Standard query response 0x2f2f AAAA analytics.
2025-09-23 15:04:47.383911	0.095250000	Standard query response 0x8a07 AAAA settings-w
2025-09-23 15:04:47.383911	0.096227000	Standard query response 0x453e A settings-win.
2025-09-23 15:08:55.034042	0.099374000	Standard query response 0x9d91 HTTPS static.ho
2025-09-23 15:08:55.934994	0.103501000	Standard query response 0xd29c HTTPS analytics
2025-09-23 15:07:53.374353	0.124181000	Standard query response 0xaaef AAAA v10.events
2025-09-23 15:03:03.613295	0.127572000	Standard query response 0x50f3 HTTPS chatgpt.c
2025-09-23 15:07:53.382436	0.132199000	Standard query response 0x0c9f A v10.events.da
2025-09-23 15:08:55.691112	0.142624000	Standard query response 0xd88d HTTPS www.googl
2025-09-23 15:08:55.088152	0.156898000	Standard query response 0x0ded AAAA static.hot
2025-09-23 15:07:53.373741	0.157978000	Standard query response 0xaaef AAAA v10.events
2025-09-23 15:07:53.381516	0.165866000	Standard query response 0x0c9f A v10.events.da
2025-09-23 15:09:24.938229	0.237171000	Standard query response 0x5912 AAAA jobs.itu.i
2025-09-23 15:09:24.947914	0.245672000	Standard query response 0xb96c HTTPS jobs.itu.
2025-09-23 15:02:35.663952	0.276912000	Standard query response 0xe030 A teams.events.
2025-09-23 15:08:51.486405	0.287033000	Standard query response 0xfdc6 A www.itu.int C
2025-09-23 15:08:51.486405	0.287211000	Standard query response 0xdf70 AAAA www.itu.in
2025-09-23 15:08:51.504278	0.303834000	Standard query response 0x1443 HTTPS www.itu.i
2025-09-23 15:02:35.699940	0.312817000	Standard query response 0x72c5 HTTPS teams.eve
2025-09-23 15:02:35.707435	0.320567000	Standard query response 0x4514 AAAA teams.even

x. Checked multiple DNS responses.
All responses had rcode = 0 (No error).
Therefore, no DNS errors were observed in my capture.