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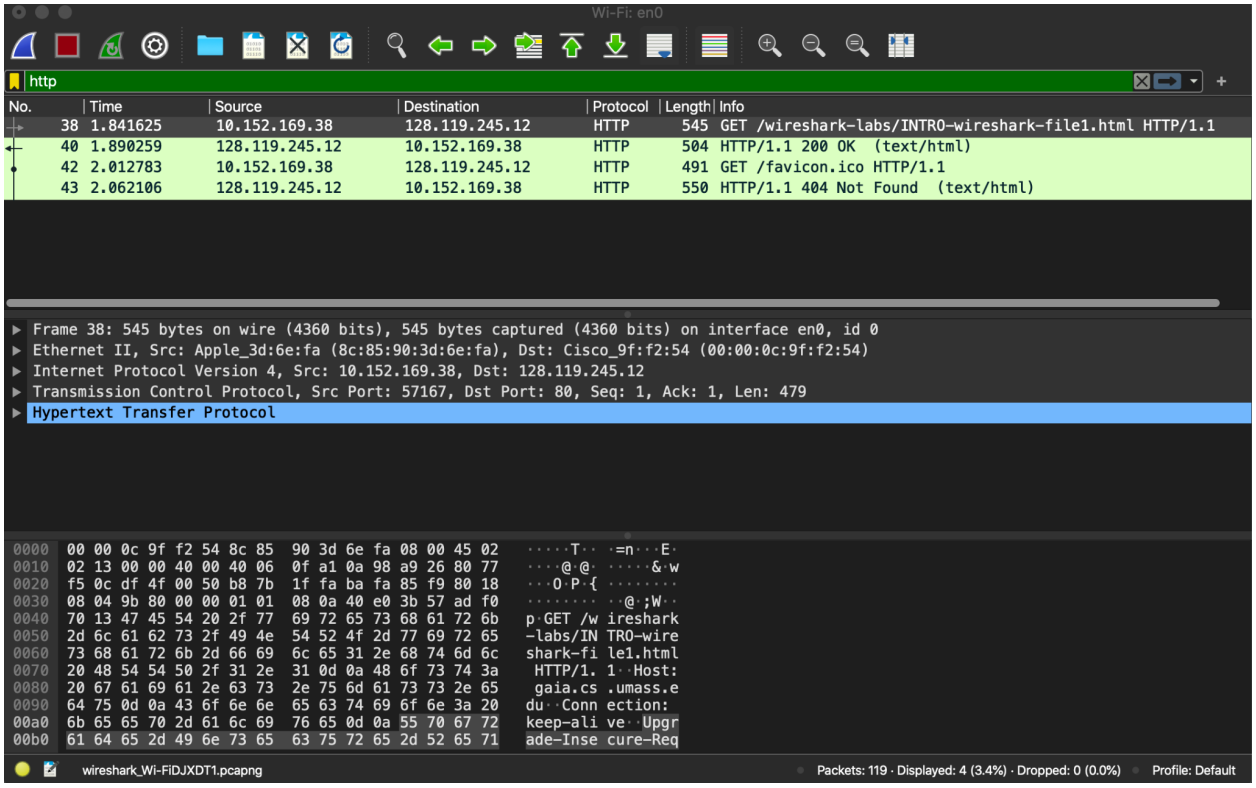
CSCI 466
10/3/22

Wireshark Lab 1: HTTP and DNS

Task 1:



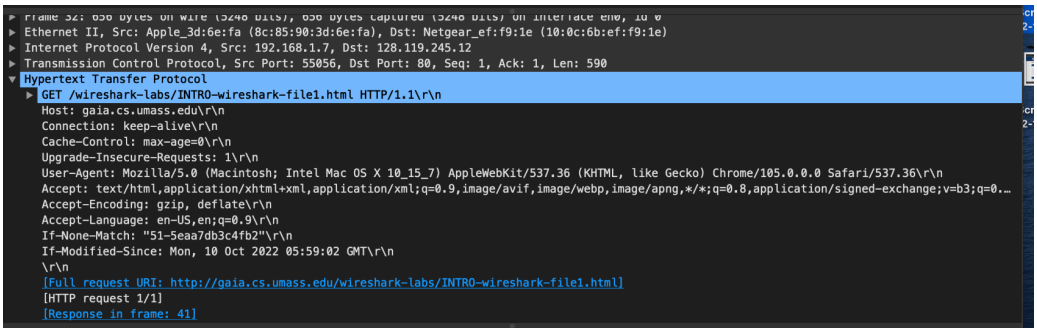
Task 2:

2.1: 10.152.169.38

2.2: 128.119.245.12

2.3: Port 80

2.4



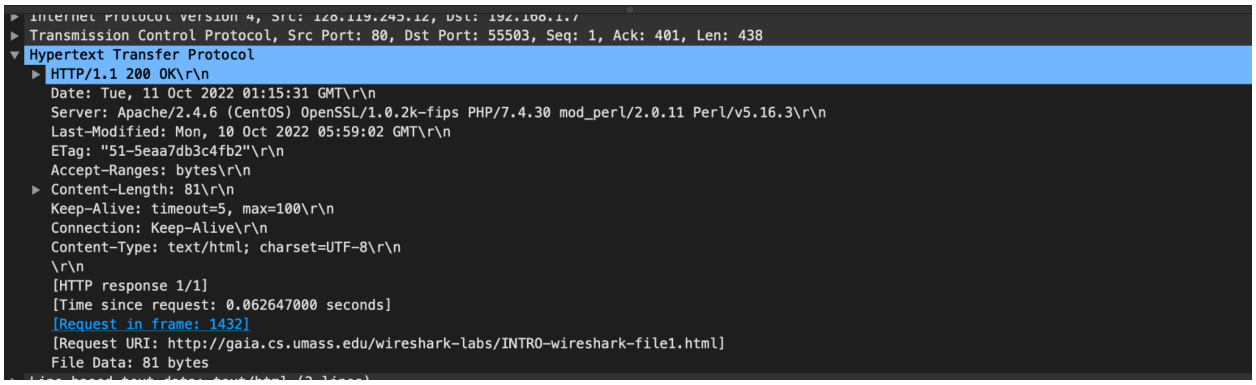
Task 3:

3.1: 200 OK

3.2: (Text/HTML)

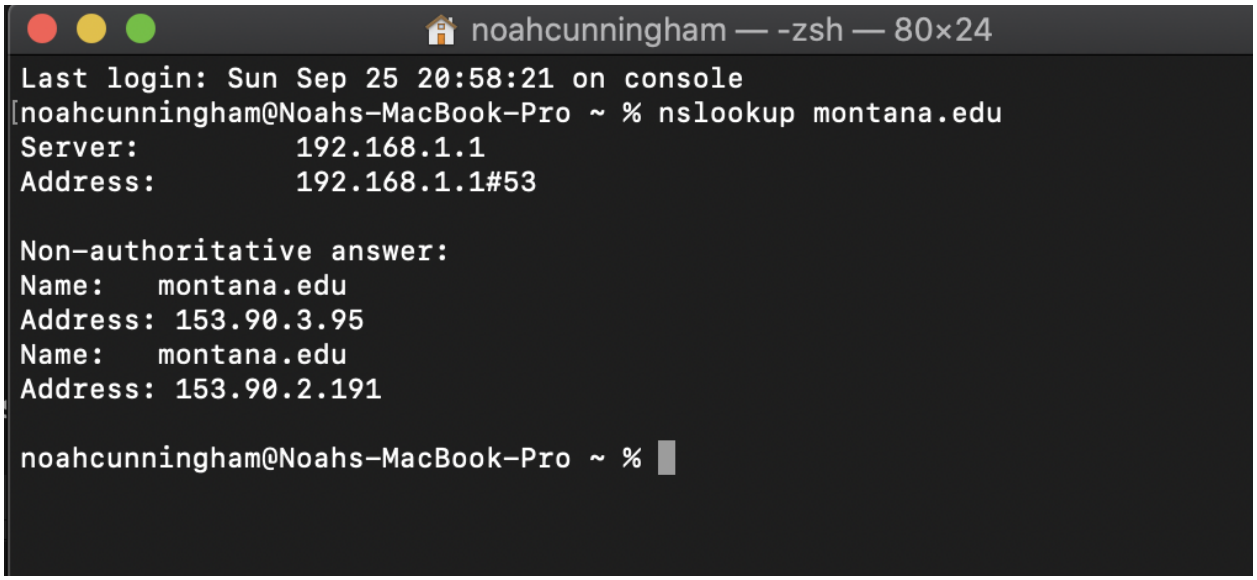
3.3: 0.06 seconds

3.4:

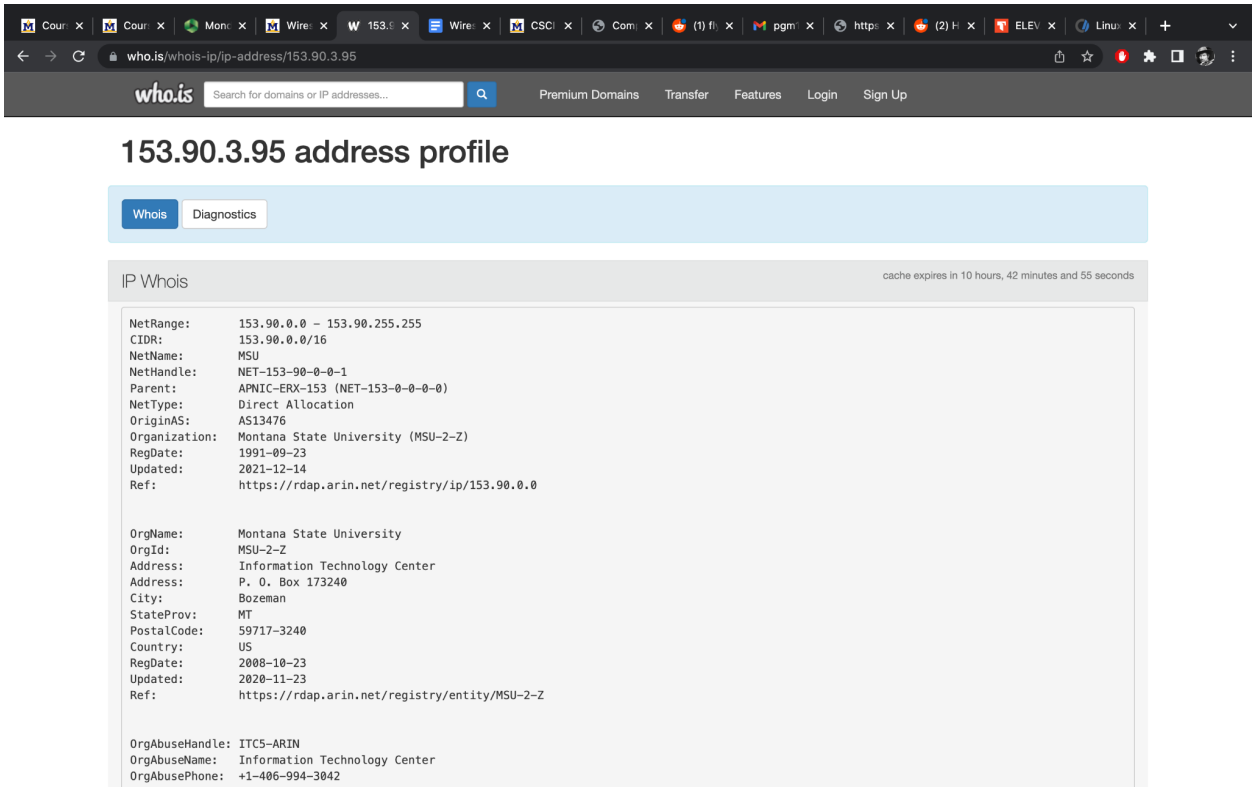


Task 4:

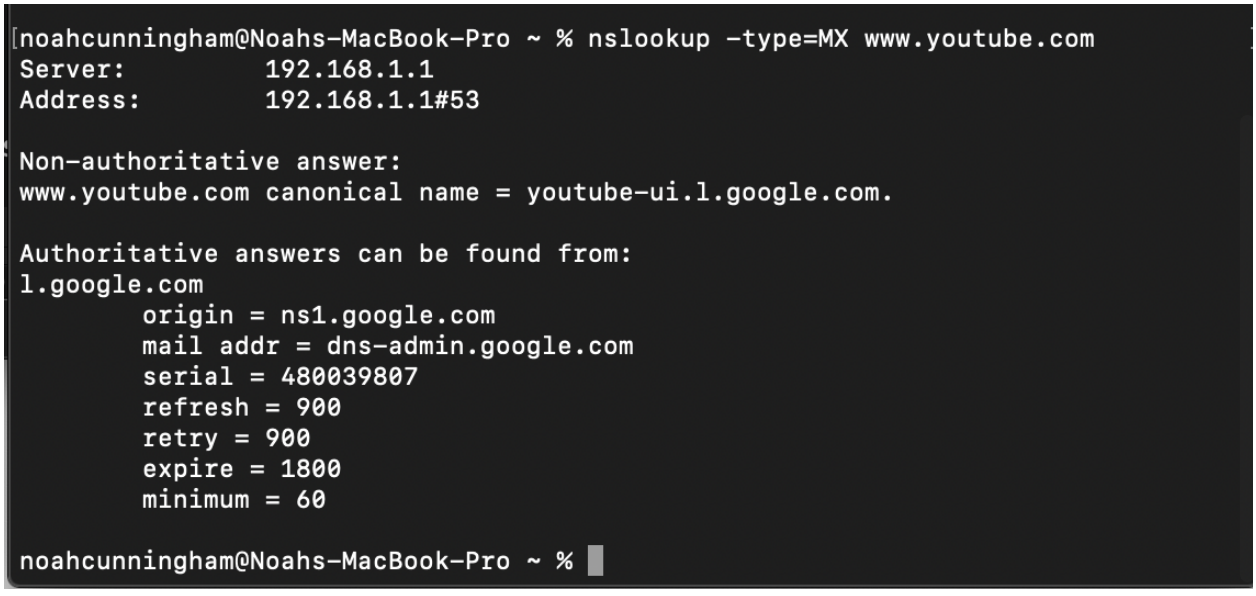
4.1: The server IP address is both 153.90.3.95 and 153.90.2.191, montana.edu uses a round robin setup to distribute server load



4.2:



4.3: -type = MX flag displays the MX(mail exchange) record which specifies which email server is responsible for accepting emails. The answer is everything below the Non-Authoritative answer:

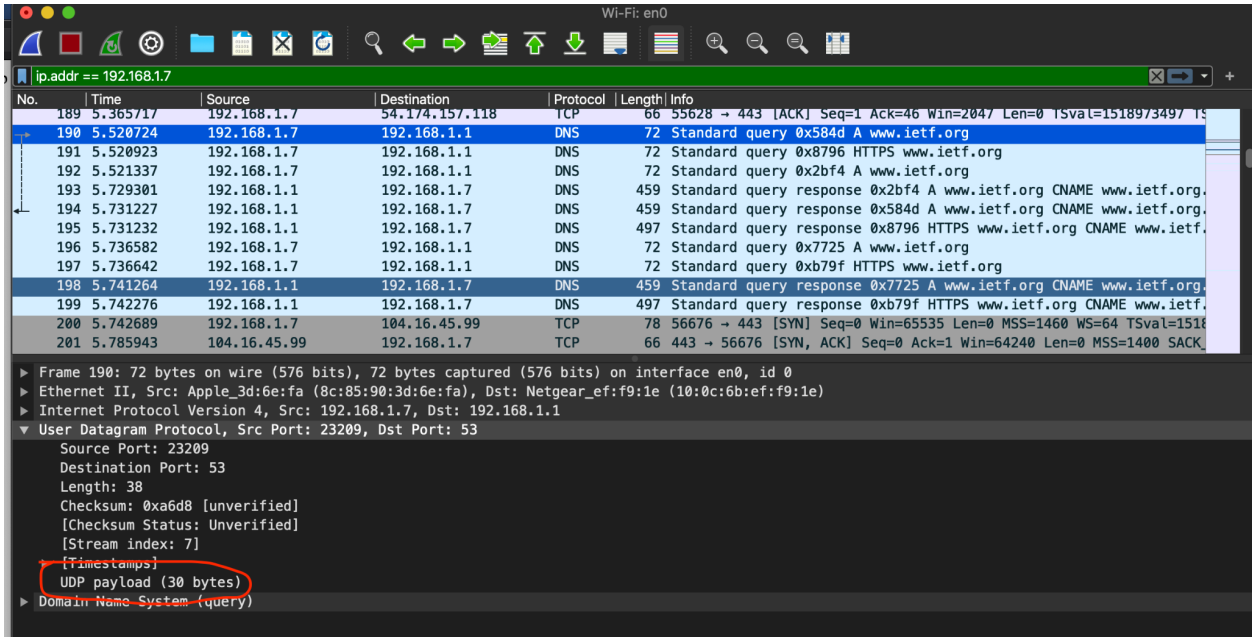


Taks 5:

```
[noahcunningham@Noahs-MacBook-Pro ~ % ipconfig
usage: ipconfig <command> <args>
where <command> is one of waitall, getifaddr, ifcount, getoption, getpacket, get
v6packet, set, setverbose
[noahcunningham@Noahs-MacBook-Pro ~ % ipconfig /flushdns
usage: ipconfig <command> <args>
where <command> is one of waitall, getifaddr, ifcount, getoption, getpacket, get
v6packet, set, setverbose
[noahcunningham@Noahs-MacBook-Pro ~ % sudo killall -HUP mDNSResponder
[Password:
noahcunningham@Noahs-MacBook-Pro ~ %
```

```
[noahcunningham@Noahs-MacBook-Pro ~ % ipconfig getifaddr en0
192.168.1.7
noahcunningham@Noahs-MacBook-Pro ~ %
```

5.1:



5.2: UDP as shown above

5.3: 53 as shown above

5.4: 192.168.1.1

5.5: There are 5 response messages and 4/5 have 3 answers and 1 has 2 answers

5.6: 192.168.1.7