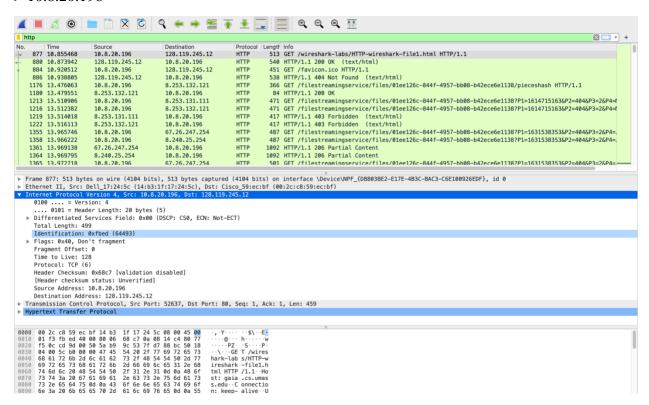
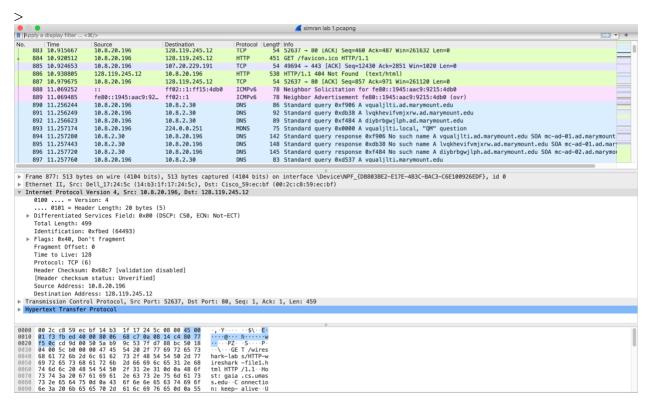
Simran Shrestha

Professor Natalia Ermicioi

- 1. What is the Internet address of your computer?
- > 10.8.20.196



- 2. List 3 different protocols that appear in the protocol column in the unfiltered packet-listing window in step 7 above.
- > TCP, ICMPv6, DNS

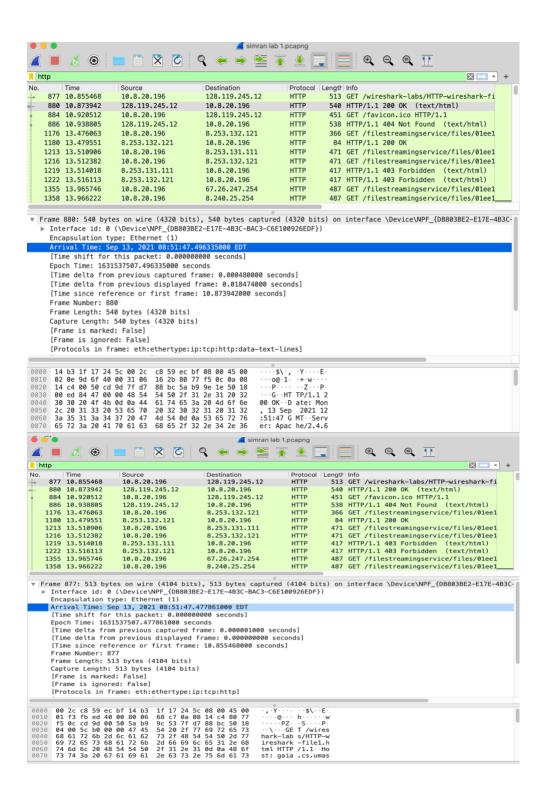


3. How long did it take from when the HTTP GET message was sent until the HTTP OK reply was received? (By default, the value of the Time column in the packetlisting window is the amount of time, in seconds, since Wireshark tracing began. To display the Time field in time-of-day format, select the Wireshark View pull down menu, then select Time Display Format, then select Time-of-day.)

> Arrival Time: Sep 13, 2021 08:51:47.477861000 EDT

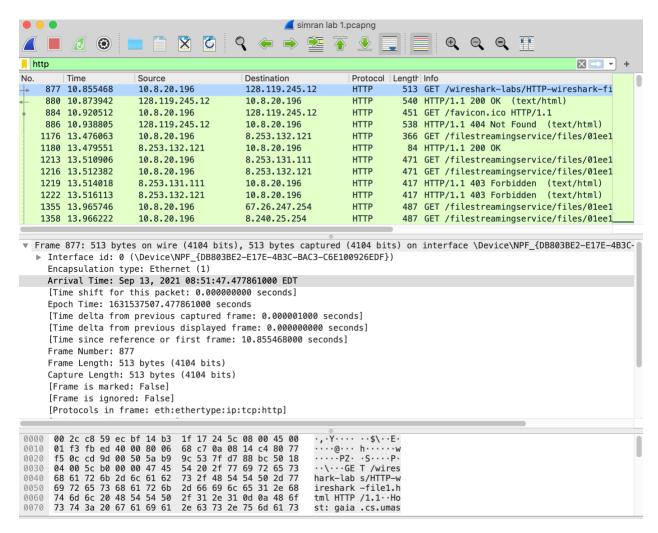
Arrival Time: Sep 13, 2021 08:51:47.496335000 EDT

Difference: 0.496335000 - 0.477861000 = 0.018474 sec



4. What is the Internet address of the gaia.cs.umass.edu (also known as wwwnet.cs.umass.edu)?

> 128.119.245.12



5. Print the two HTTP messages (GET and OK) referred to in question 2 above. To do so, select Print from the Wireshark File command menu, and select the "Selected Packet Only" and "Print as displayed" radial buttons, and then click OK.

```
Source
                                                          Destination
                                                                                       Protocol Length Info
No.
          Time
     877 10.855468
                              10.8.20.196
                                                          128.119.245.12
wireshark-labs/HTTP-wireshark-file1.html HTTP/1.1
Frame 877: 513 bytes on wire (4104 bits), 513 bytes captured (4104 bits) on interface
\Device\NPF_{DB803BE2-E17E-4B3C-BAC3-C6E100926EDF}, id 0
Ethernet II, Src: Dell_17:24:5c (14:b3:1f:17:24:5c), Dst: Cisco_59:ec:bf (00:2c:c8:59:ec:bf)
Internet Protocol Version 4, Src: 10.8.20.196, Dst: 128.119.245.12
     0100 ... = Version: 4
... 0101 = Header Length: 20 bytes (5)
Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
     Total Length: 499
     Identification: 0xfbed (64493)
     Flags: 0x40, Don't fragment
Fragment Offset: 0
     Time to Live: 128
Protocol: TCP (6)
     Header Checksum: 0x68c7 [validation disabled]
     [Header checksum status: Unverified]
     Source Address: 10.8.20.196
     Destination Address: 128.119.245.12
Transmission Control Protocol, Src Port: 52637, Dst Port: 80, Seq: 1, Ack: 1, Len: 459
Hypertext Transfer Protocol
```

/Users/simranshrestha/Downloads/simran lab 1.pcapng 36987 total packets, 197 shown