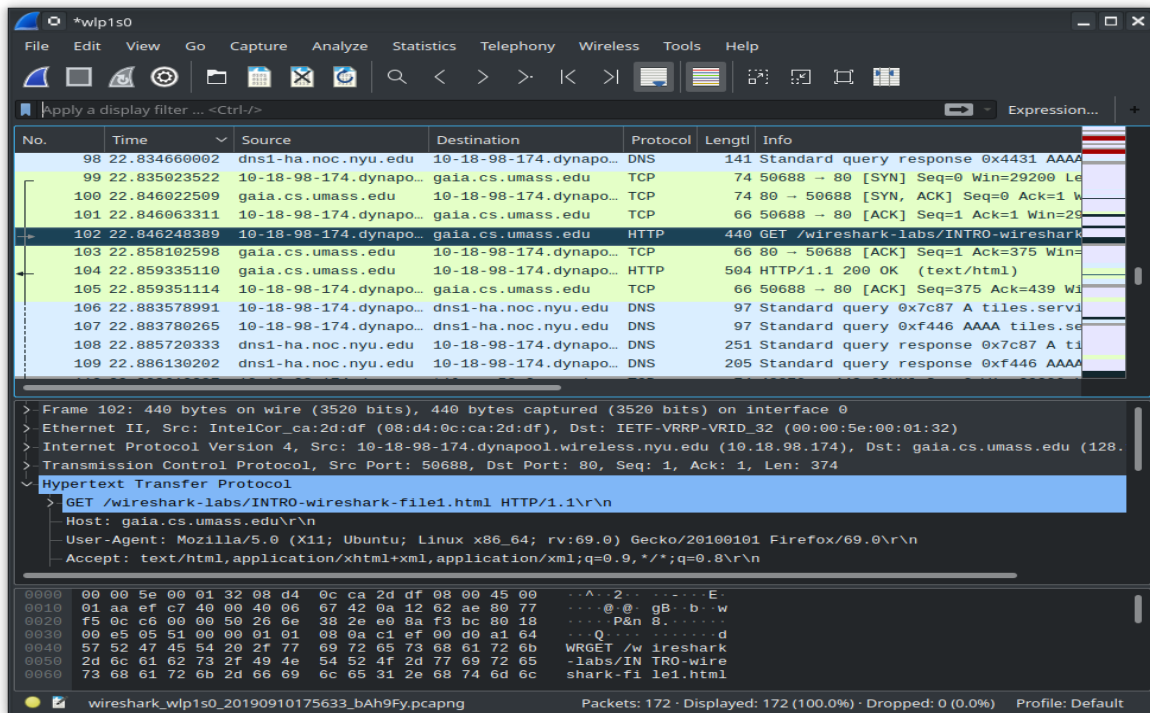


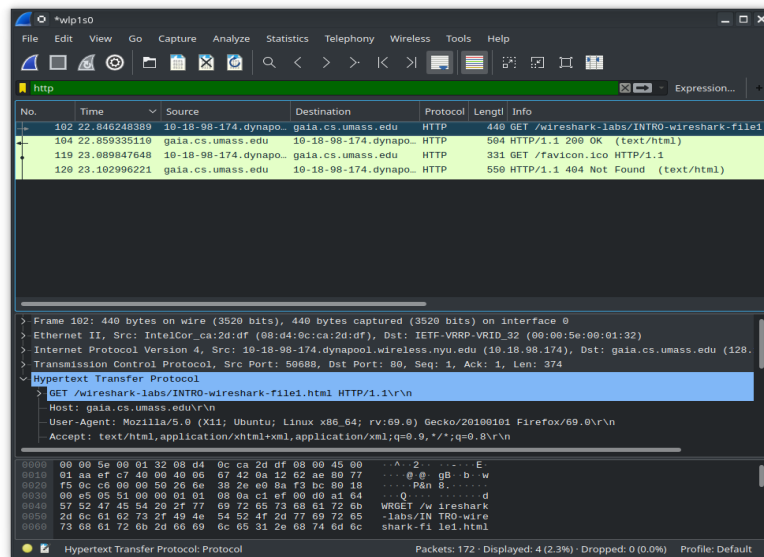
**1. List 3 different protocols that appear in the protocol column in the unfiltered packet-listing window in step 7 above.**

Three protocols I captured were: HTTP, TCP, and DNS.



**2. 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 packet-listing 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 Viewpull down menu, then select Time Display Format, then select Time-of-day.)**

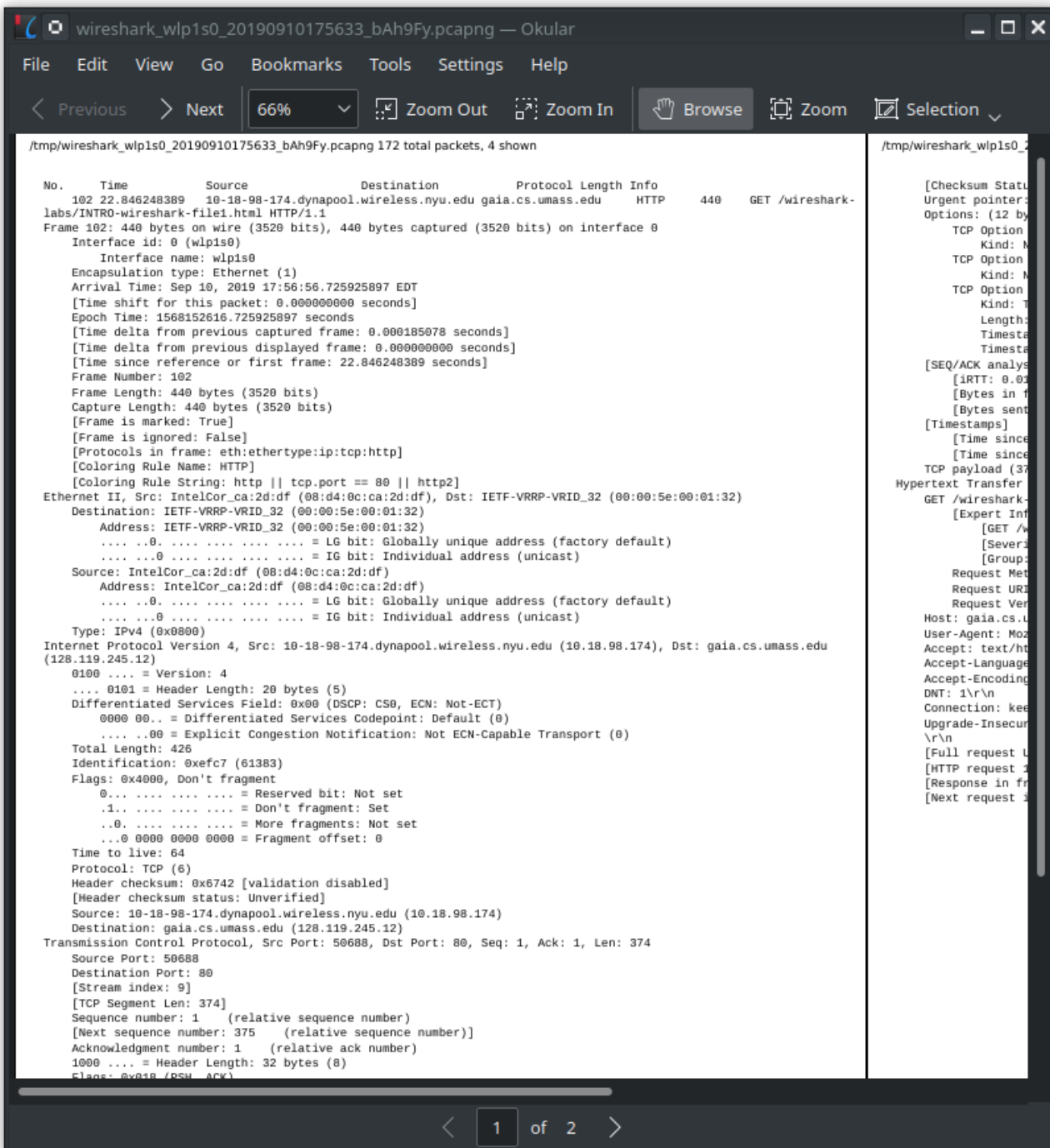
It took 0.013086721 seconds to get a reply from the HTTP GET request.



**3.What is the Internet address of the gaia.cs.umass.edu (also known as www-net.cs.umass.edu)? What is the Internet address of your computer?**

The IP address of gaia.cs.umass.edu is: 128.119.245.12  
 My IP address at NYU: 10.18.98.174.

**4.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.**



wireshark\_wlp1s0\_20190910175633\_bAh9Fy.pcapng — Okular

File Edit View Go Bookmarks Tools Settings Help

< Previous > Next 66% Zoom Out Zoom In Browse Zoom Selection

/tmp/wireshark\_wlp1s0\_20190910175633\_bAh9Fy.pcapng 172 total packets, 4 shown

40 GET /wireshark-

[Checksum Status: Unverified]  
Urgent pointer: 0  
Options: (12 bytes), No-Operation (NOP), No-Operation (NOP), Timestamps  
TCP Option - No-Operation (NOP)  
Kind: No-Operation (1)  
TCP Option - No-Operation (NOP)  
Kind: No-Operation (1)  
TCP Option - Timestamps: TSval 3253666000, TSecr 2707707730  
Kind: Time Stamp Option (8)  
Length: 10  
Timestamp value: 3253666000  
Timestamp echo reply: 2707707730  
[SEQ/ACK analysis]  
[iRTT: 0.011039789 seconds]  
[Bytes in flight: 374]  
[Bytes sent since last PSH flag: 374]  
[Timestamps]  
[Time since first frame in this TCP stream: 0.011224867 seconds]  
[Time since previous frame in this TCP stream: 0.000185078 seconds]  
TCP payload (374 bytes)  
Hypertext Transfer Protocol  
GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n  
[Expert Info (Chat/Sequence): GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n]  
[GET /wireshark-labs/INTRO-wireshark-file1.html HTTP/1.1\r\n]  
[Severity level: Chat]  
[Group: Sequence]  
Request Method: GET  
Request URI: /wireshark-labs/INTRO-wireshark-file1.html  
Request Version: HTTP/1.1  
Host: gaia.cs.umass.edu\r\n  
User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86\_64; rv:69.0) Gecko/20100101 Firefox/69.0\r\n  
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8\r\n  
Accept-Language: en-US,en;q=0.5\r\n  
Accept-Encoding: gzip, deflate\r\n  
DNT: 1\r\n  
Connection: keep-alive\r\n  
Upgrade-Insecure-Requests: 1\r\n  
\r\n  
[Full request URI: http://gaia.cs.umass.edu/wireshark-labs/INTRO-wireshark-file1.html]  
[HTTP request 1/2]  
[Response in frame: 104]  
[Next request in frame: 119]

1:32

gaia.cs.umass.edu

< 2 of 2 >