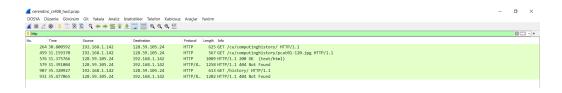
CS 408 HOMEWORK 2

Q1: What is the IP address of http://www.columbia.edu/cu/computinghistory/ website?

Answer:

From the screenshot below, destination of 1st line is the IP address of website. **128.59.105.24**

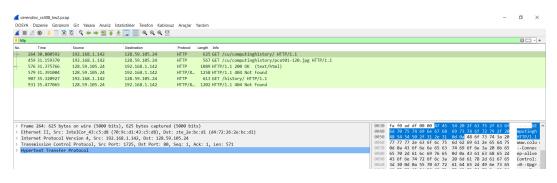


Q2: What are the source port and destination port of the HTTP request used to get http://www.columbia.edu/cu/computinghistory/?

Answer:

From the screenshot below, source port & destination port of the HTTP request is written in Transmission Control Protocol part.

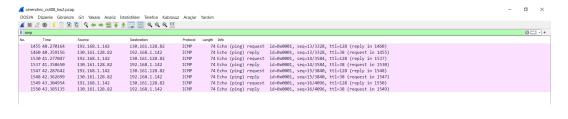
Source Port: 1725 Destination Port: 80



Q3: What is the IP address of tudelft.nl domain?

Answer:

From the screenshot below, destination of ping request and source of ping reply shows IP address of tudelft.nl domain: 130.161.128.82

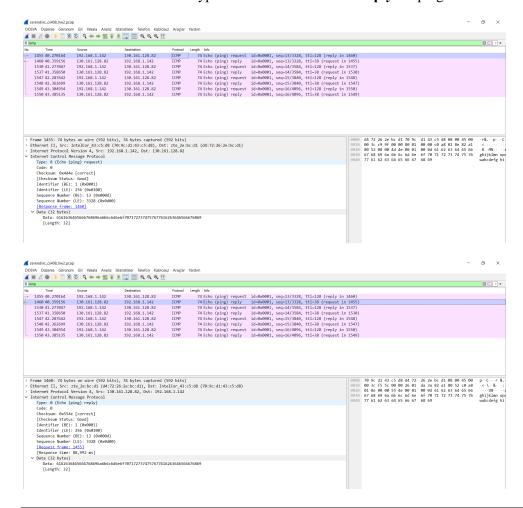


Q4: What are the type numbers of the ICMP Echo request and ICMP Echo reply (used for ping)?

Answer:

In the Internet Control Message Protocol part:

1st screenshot below shows type number of ICMP Echo **request** for ping: **8** 2nd screenshot below shows type number of ICMP Echo **reply** for ping: **0**



Q5: What is the length of the Data field of ICMP Echo reply packet from tudelft.nl?

Answer:

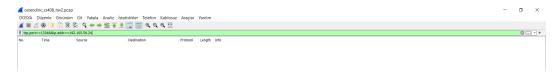
Can be seen in the 4th question, 2nd screenshot.

Length of the data field of ICMP Echo reply packet: 32 bytes

Q6: Write a Wireshark filter for showing packets with source IP address 192.105.59.24 and TCP destination port 1334?

Answer:

tcp.port == 1334 && ip.addr == 192.105.59.24



Q7: What is the value of the User-Agent header field of HTTP requests sent by your browser?

Answer:

From the screenshot below, User-Agent header field of HTTP requests sent by my browser is shown in Hypertext Transfer Protocol part.

I used Chrome/111.0.0.0



Q8: What is the Content Length header field of HTTP response for http://www.columbia.edu/history/?

Answer:

From screenshot below, Content-Length is seen in Hypertext Transfer Protocol part: Content-Length: **680**



Q9: What is the HTTP Status Code of HTTP response for http://www.columbia.edu/history/?

Answer:

From the screenshot in 8th question, HTTP Status Code: 404