Computing and Data Science

Computer network
Assignment no. 4(NAT PCAP File Tracing)
3rd Year

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1.



This question is related to previous question 3

4. At what time⁴ is the corresponding 200 OK HTTP message received from the Google server? What are the source and destination IP addresses and TCP source and destination ports on the IP datagram carrying this HTTP 200 OK message?

Answer:

Source IP addresses

64.233.169.104

Destination IP addresses	192.168.1.100
Source port	80
Destination port	4335

2.



8. In the NAT_ISP_side trace file, at what time is the first 200 OK HTTP message received from the Google server? What are the source and destination IP addresses and TCP source and destination ports on the IP datagram carrying this HTTP 200 OK message? Which of these fields are the same, and which are different than your answer to question 4 above?

Answer:

Source IP addresses

64.233.169.104

Destination IP addresses	71.192.34.104
Source port	80
Destination port	4335

• The time of first 200 OK HTTP Message = 6.117570

• **Header length:** same = 814

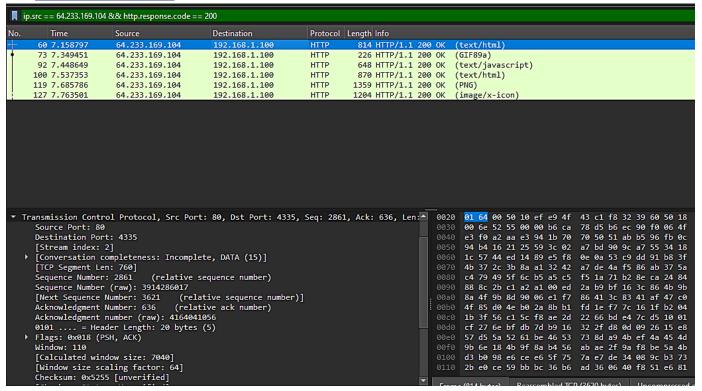
Version: same = 1.1Flags: same = 0x018

• Checksum: it is change because the Destination IP addresses has

changed

Screen from Wireshark:

For home side:



For isp side:

