COMPUTER NETWORK LAB

LAB 4C

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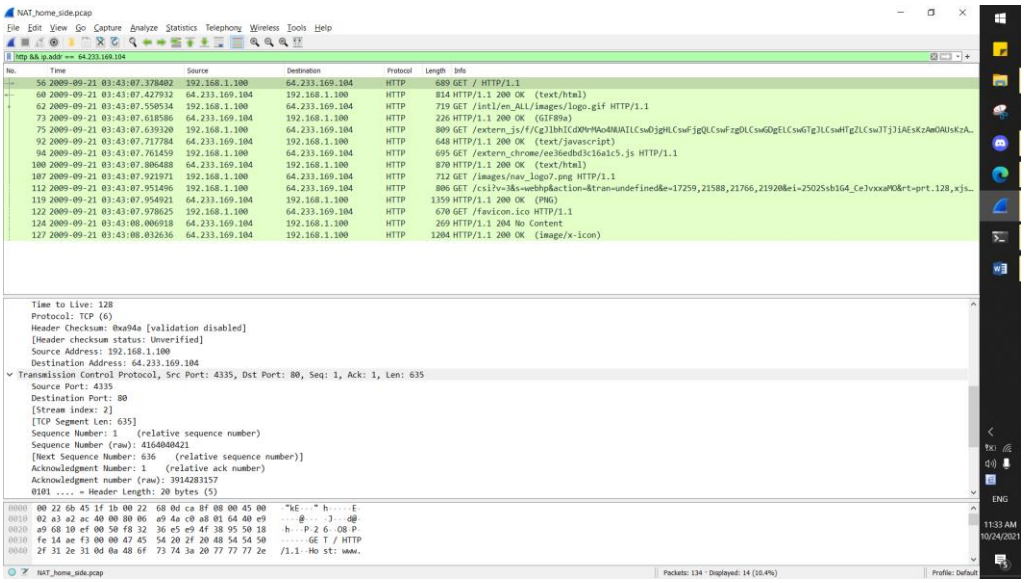
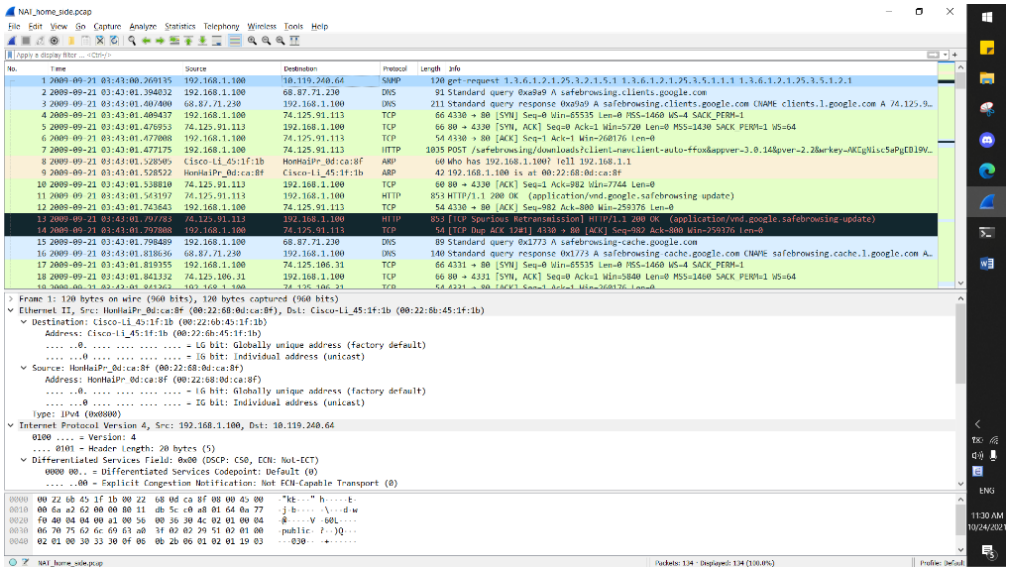
LAB 4C

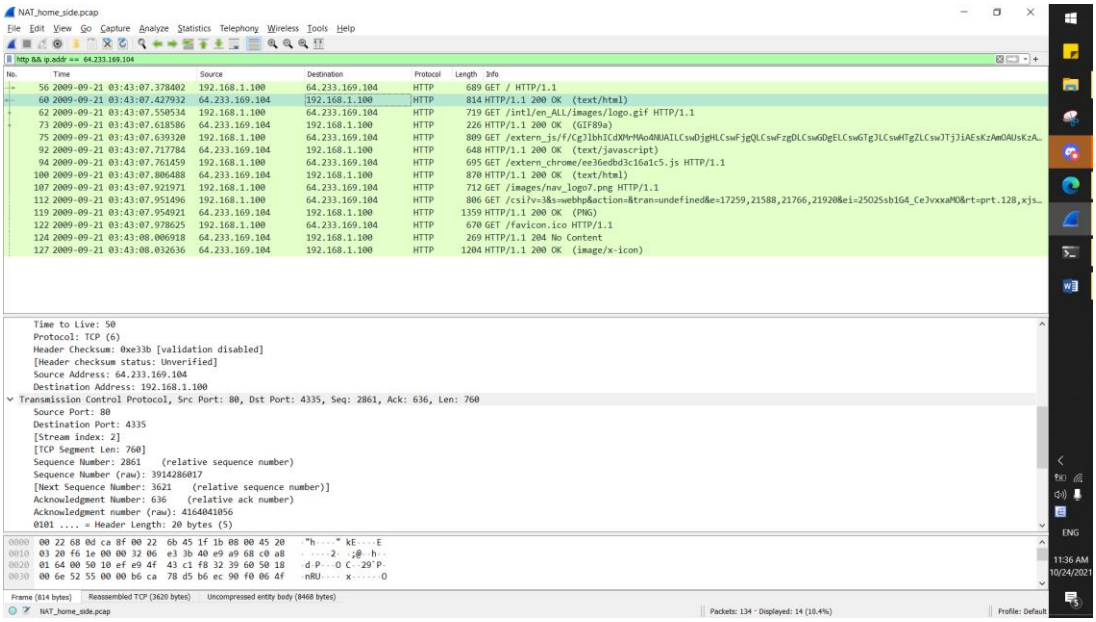


1. 192.168.1.100

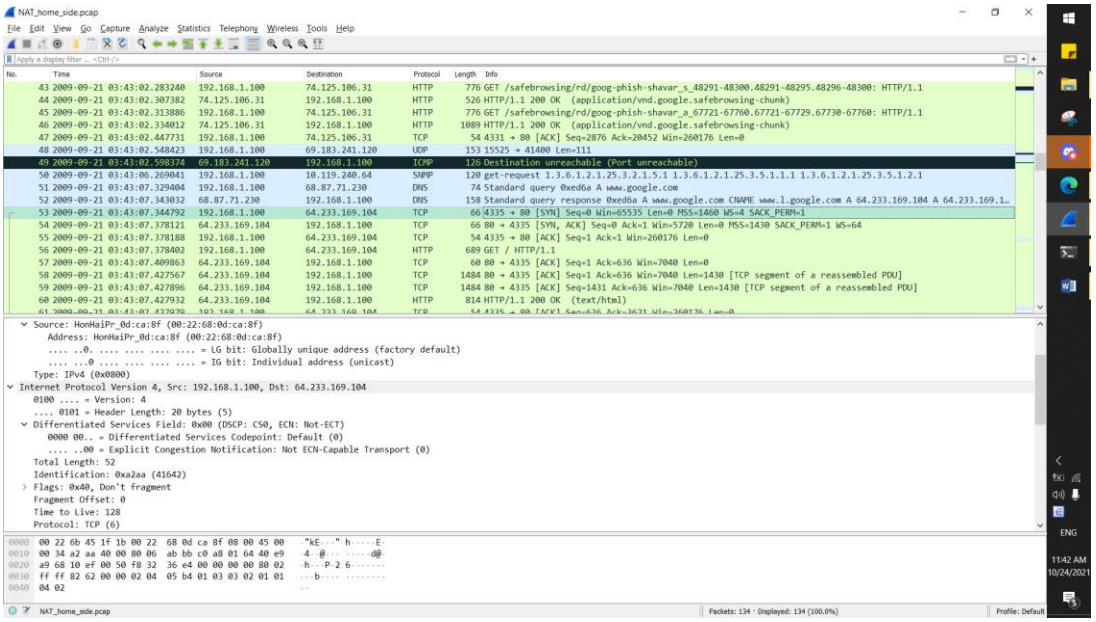
2.



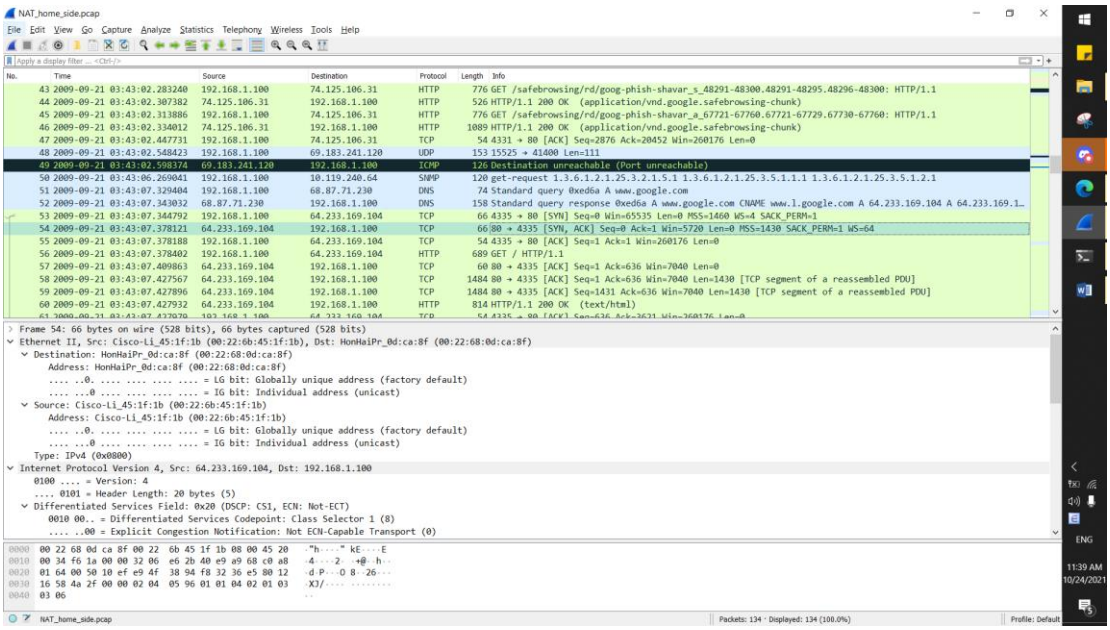
3. Source: 192.168.1.100,4335 Destination: 64.233.169.104,80



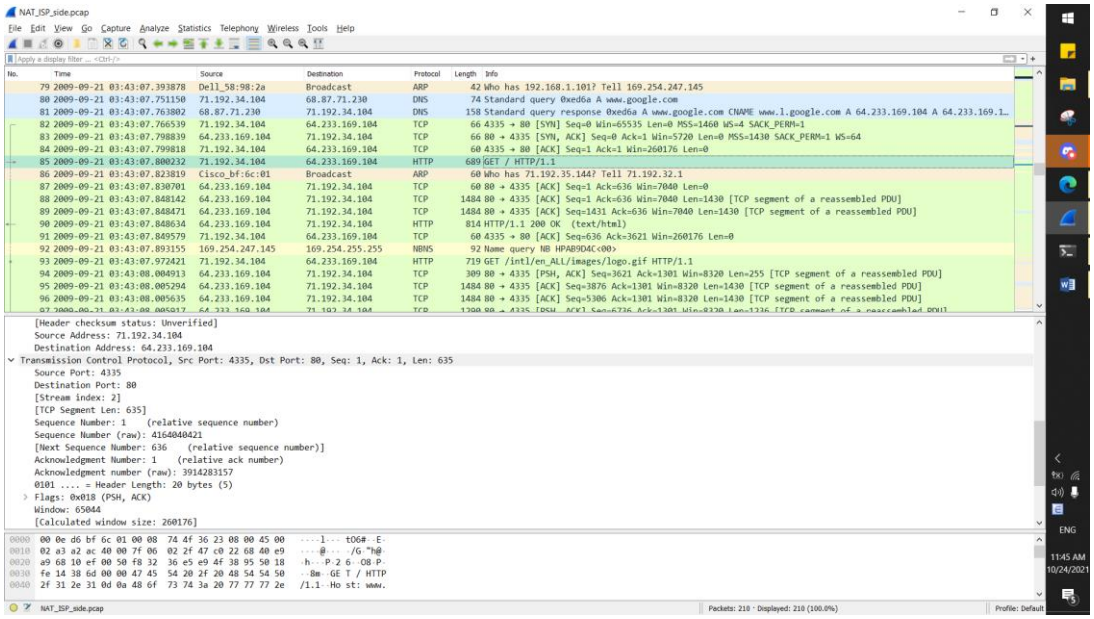
4. Source: 64.233.169.104, 4335 Destintion: 192.168.1.100,4335, Time: 7.427932



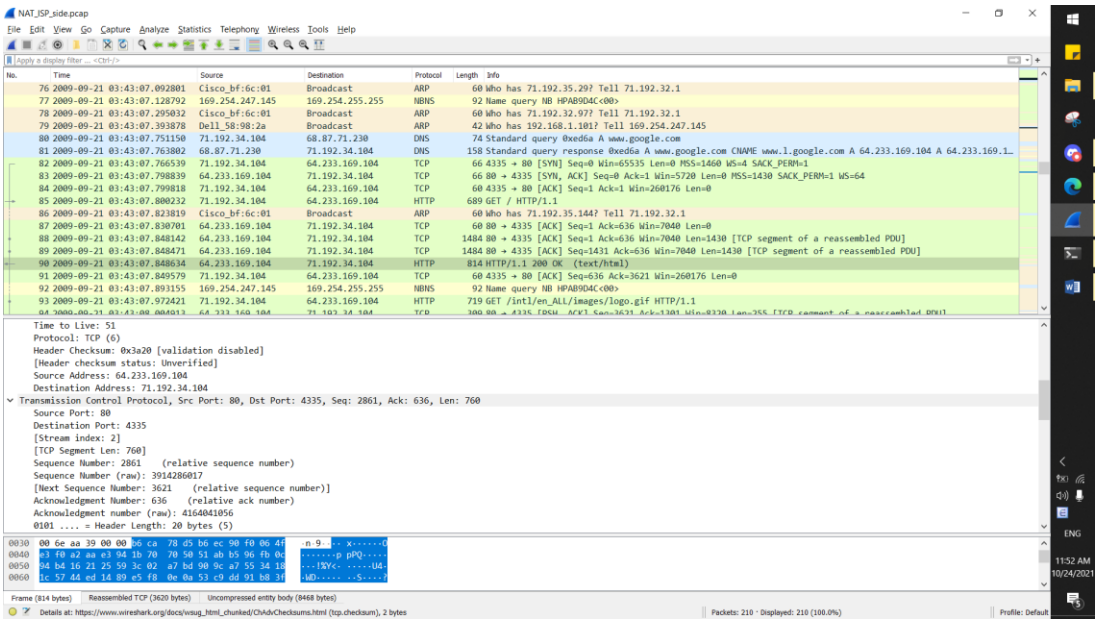
5. Time: 7.344792- Source: 192.168.1.100, 4335 – Destination: 64.233.169.104, 80.



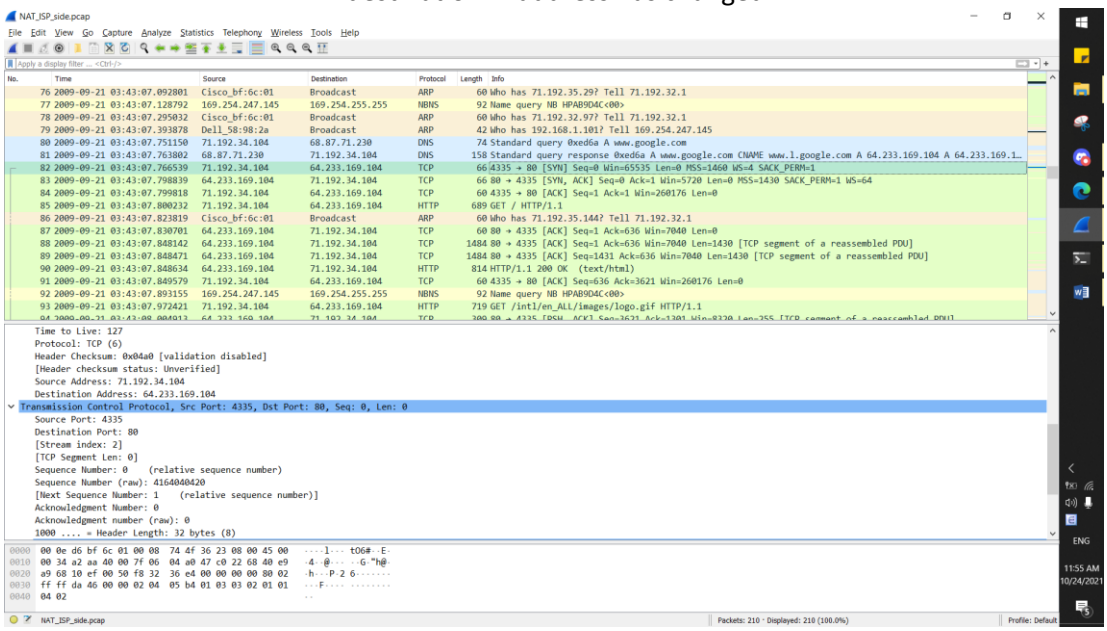
Time: 7.378121 - Source: 64.233.169.104, 80 – Destination: 192.168.1.100, 4335



6. Time: 7.800232 – Source : 71.192.31.104, 4335 – Destination: 64.233.169.104, 80
   Only the source IP address has changed
7. **Are any fields in the HTTP GET message changed?** (Answer: No) **Which of the following fields in the IP datagram carrying the HTTP GET are changed:** Version (Answer: No), Header Length (Answer: No), Flags(Answer: No) , Checksum (Answer: Yes). **If any of these fields have changed, give a reason (in one sentence) stating why this field needed to change.** (Answer: Since the IP source address has changed, and the checksum includes the value of the source IP address, the checksum has changed).



8. Time: 7.848634 – Source: 64.233.169.104, 80 – Destination: 71.192.34.104, 4335. Only the destination IP address has changed



9. SYN: Time: 7.766539 – Source: 71.192.34.104, 4335 Dest: 64.233.169.104, 80
ACK: time: 7.798839 – Source: 64.233.169.104, 80 – Dest: 71.192.34.104, 4335
For the SYN, the source IP address has changed, for the ACK, the destination IP address has changed . The port numbers are unchanged.

NAT translate table	
WAN side	LAN side
71.192.34.104, 4335	192.168.1.100, 4335