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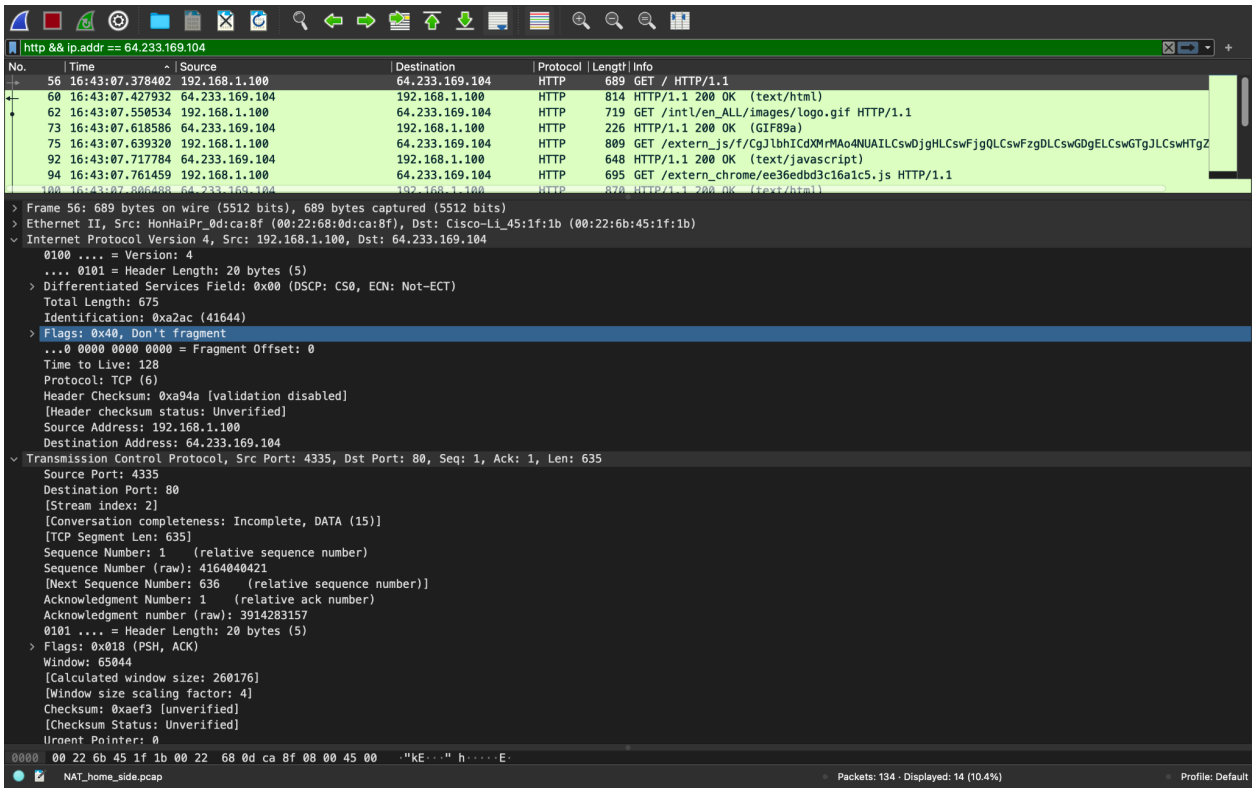
Bhavin Oza (bo2115)

1). 192.168.1.100



2). Refer above image

3). Source IP address: 192.168.1.100, Port: 4335
Destination IP address: 64.233.169.104, Port: 80

4). Time: 7.427932
Source IP address: 64.233.169.104, Port: 80
Destination IP address: 192.168.1.100, Port: 4335

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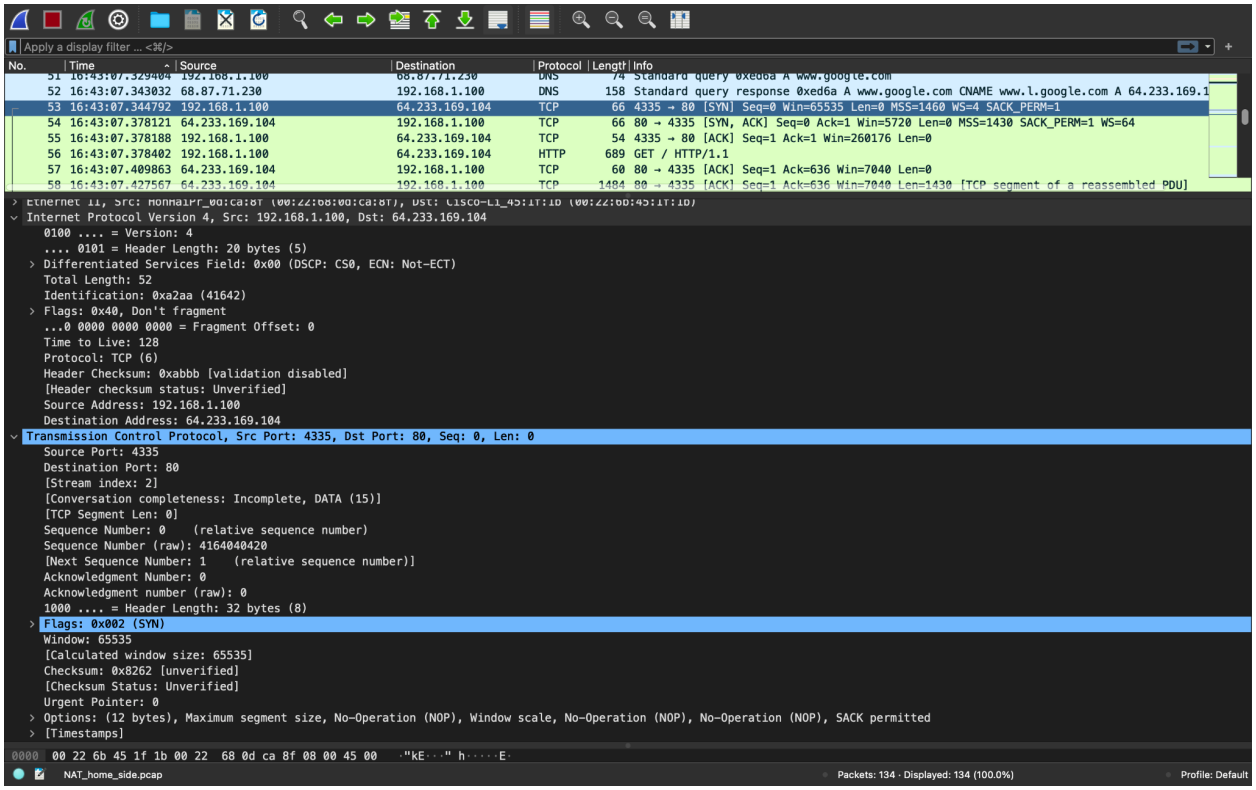

5). Time for SYN: 7.344792
For SYN,
Source IP address: 192.168.1.100, Port: 4335
Destination IP address: 64.233.169.104, Port: 80

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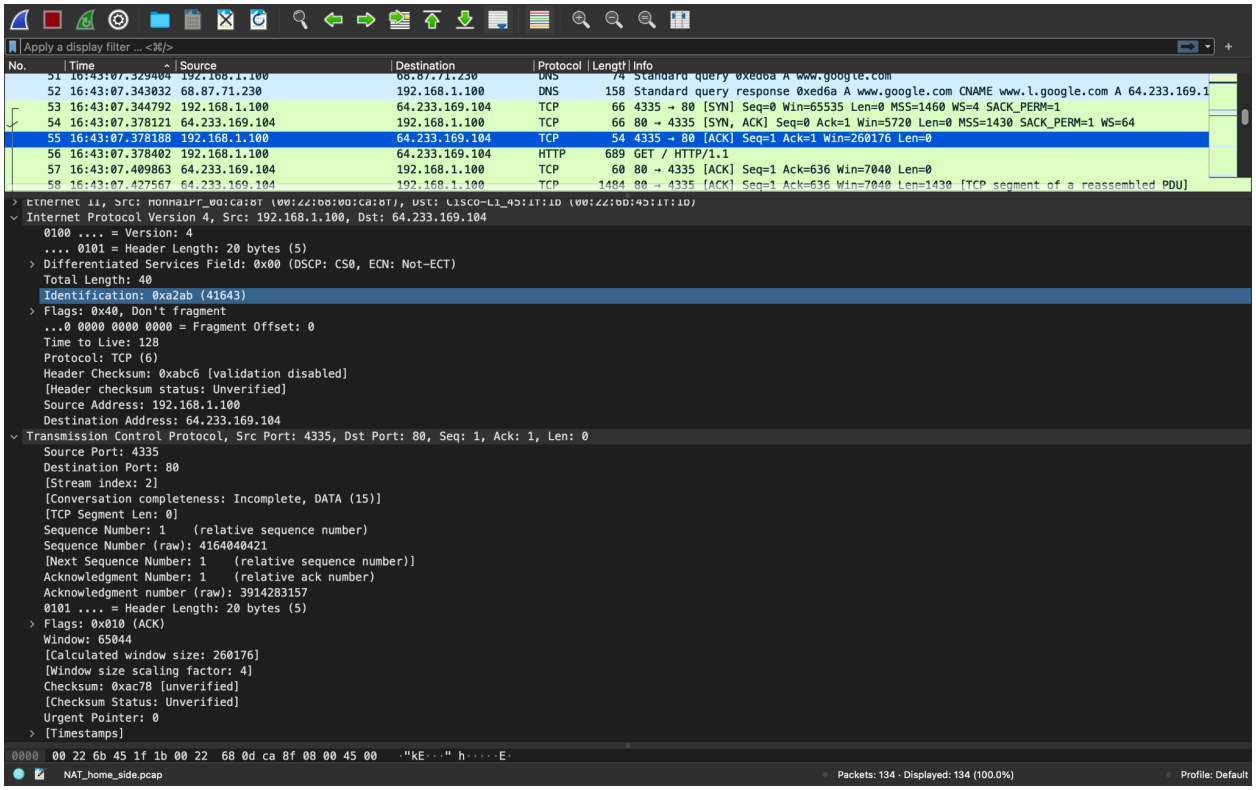

For ACK,
Source IP address: 64.233.169.104, Port: 80
Destination IP address: 192.168.1.100, Port: 4335
Time for ACK: 7.378188

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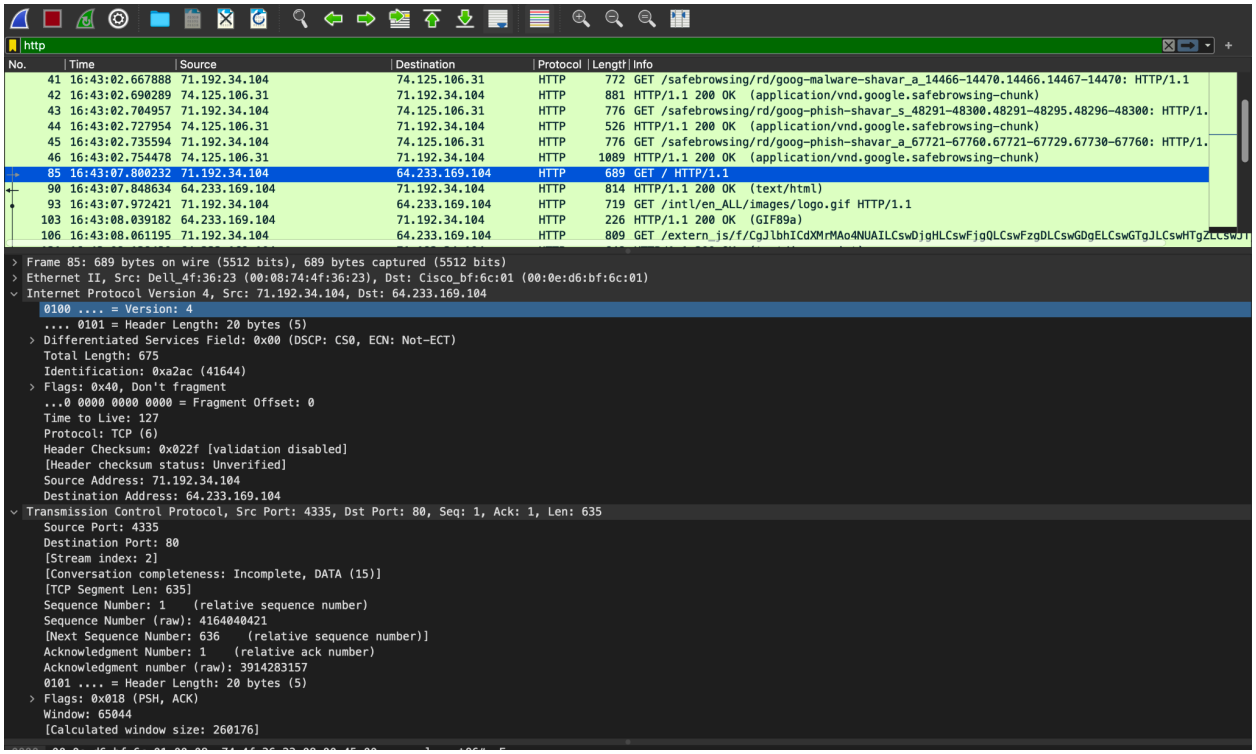

6). Time: 7.800232
Source IP address: 71.192.34.104, Port: 4335
Destination IP address: 64.233.169.104, Port: 80
Only the Source IP address has changed

7). No fields in HTTP GET message have changed.
Only the checksum field has changed in the IP datagram.
The reason for change in checksum, is since Source IP address is changed, and the checksum includes the Source IP address, hence the checksum is changed.

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

9). Time for SYN: 7.766539 and Time for ACK: 7.799818
For SYN,
Source IP address: 71.192.34.104, Port: 4335
Destination IP address: 64.233.169.104, Port: 80
For ACK,
Source IP address: 64.233.169.104, Port: 80
Destination IP address: 71.192.34.104, Port: 4335
For SYN, Source IP address has changed and For ACK, Destination IP address has changed, whereas the Port numbers are the same in both cases.

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10). NAT Translation table

LAN	WAN
192.168.1.100, 4335	71.192.34.104, 4335