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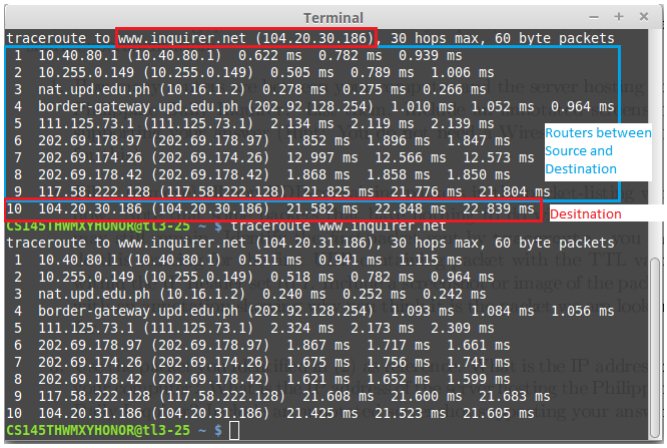
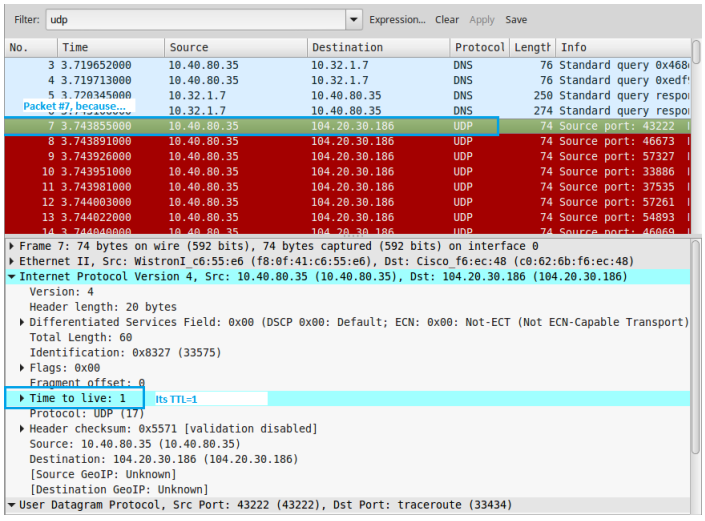
CS 145 THWMXY-HONOR

CS145 Lab Exercise 3: Wireshark Lab - Internet Protocol and Traceroute Operation

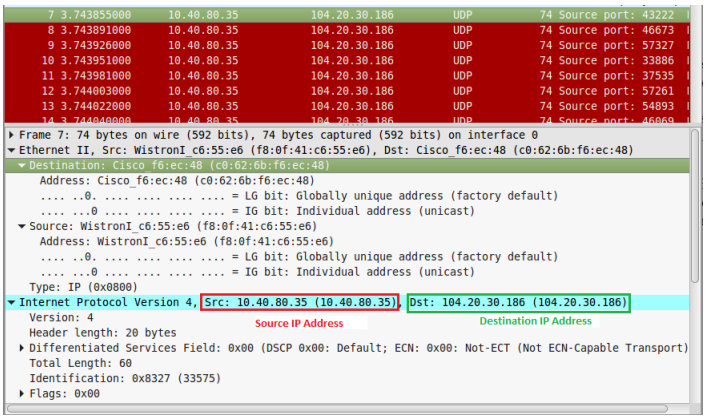
1. 9 routers, not including the server hosting the Philippine Daily Inquirer.



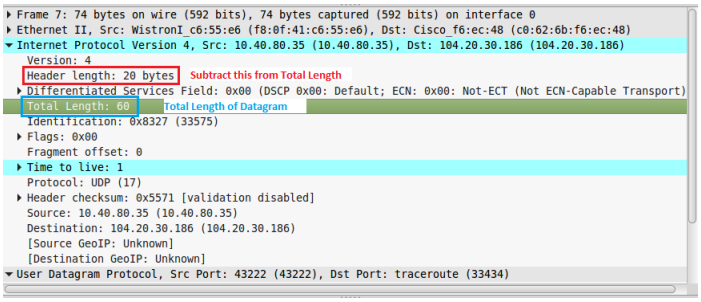
2. Packet #7



3. IP Address (Computer): **10.40.80.35**
   IP Address (Website): **104.20.30.186**



4. IP Header: **20 bytes**
   IP Datagram Payload: **40 bytes**
   As annotated, the total length of the IP Datagram is 60 bytes. To get the payload, subtract the IP Header bytes from the total length of the datagram. Hence, $60 - 20 = 40$ bytes.



5. The Identification and the Checksum. They are as follows:

   - Packet #7: 0x8327 (Identification), 0x5571 (Checksum)
   - Packet #8: 0x8328 (Identification), 0x5570 (Checksum)
   - Packet #9: 0x8329 (Identification), 0x556f (Checksum)

6. The Internet Protocol Version, Header Length, Differentiated Services Field, Flags, TTL, Protocol, Source, and Destination.

7. The values in the Identification field increase by 1 each succeeding packet.