**Eavesdropping Assignment**

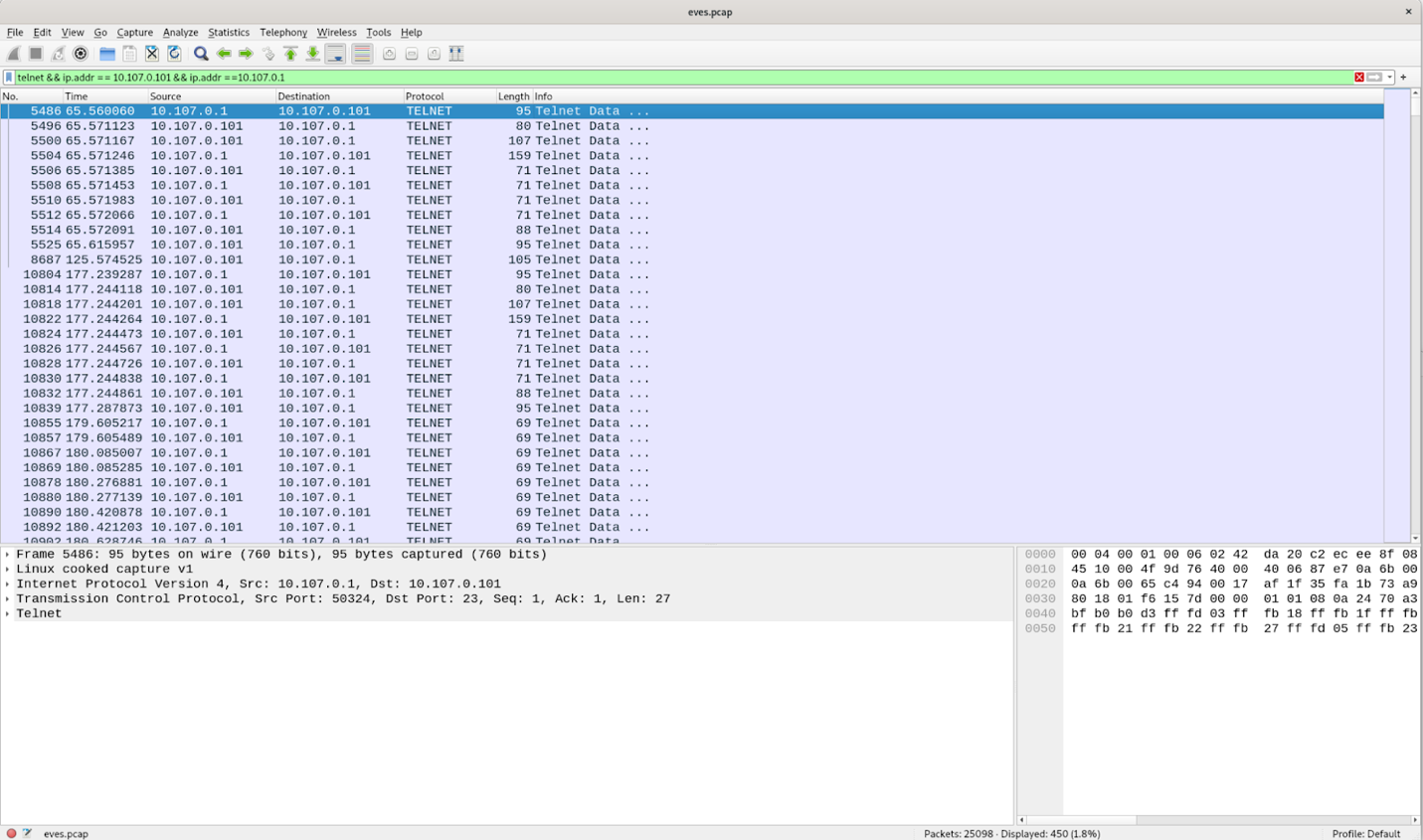
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Exercise 2:

1.



2. YES, do the above filter and follow the tcp stream or

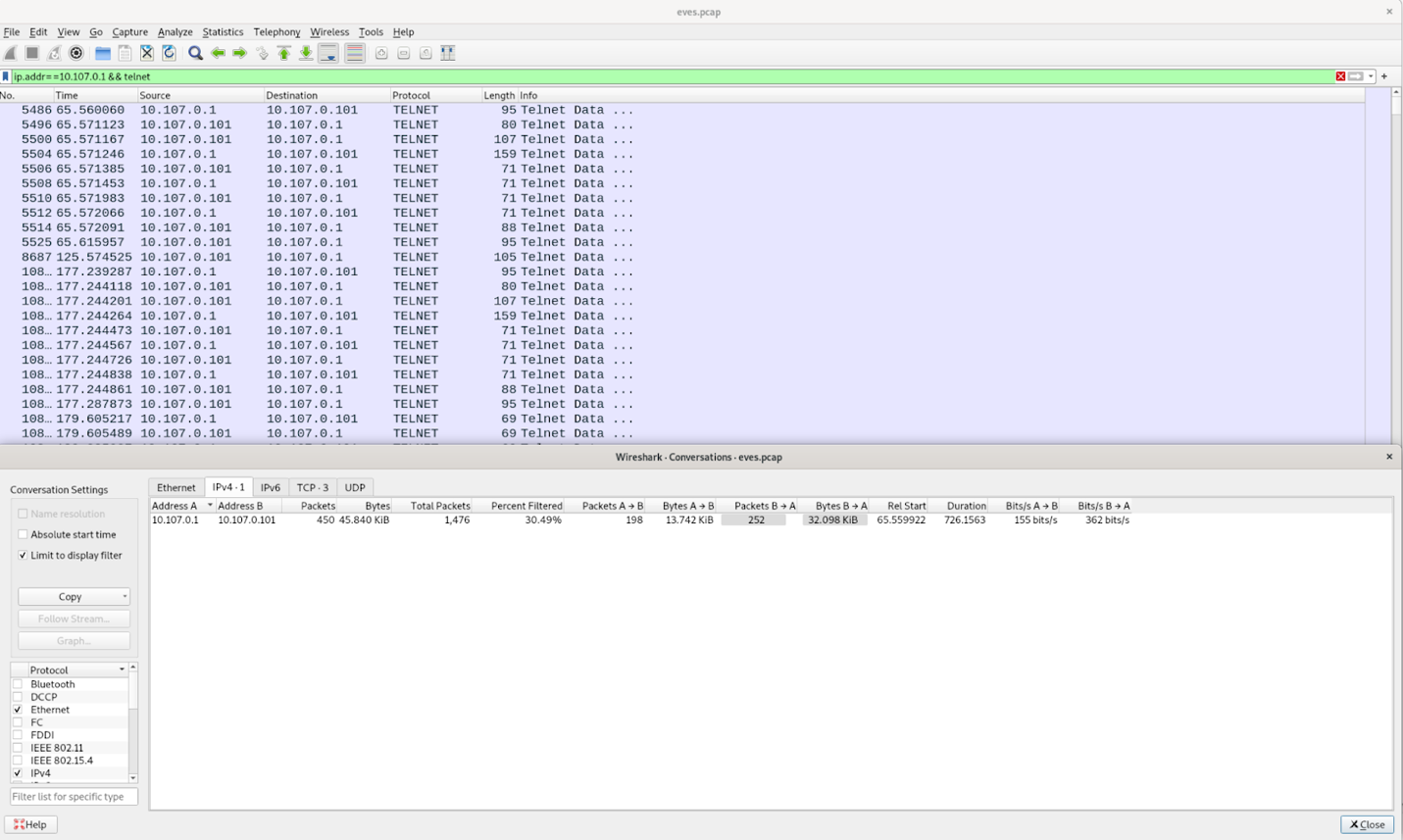
frame contains “admin”

A screenshot of a computer

Description automatically generated

3. Packets: 450

Packet length: 45.840KiB



1. Packet range 5486-24697

A screenshot of a computer

Description automatically generated

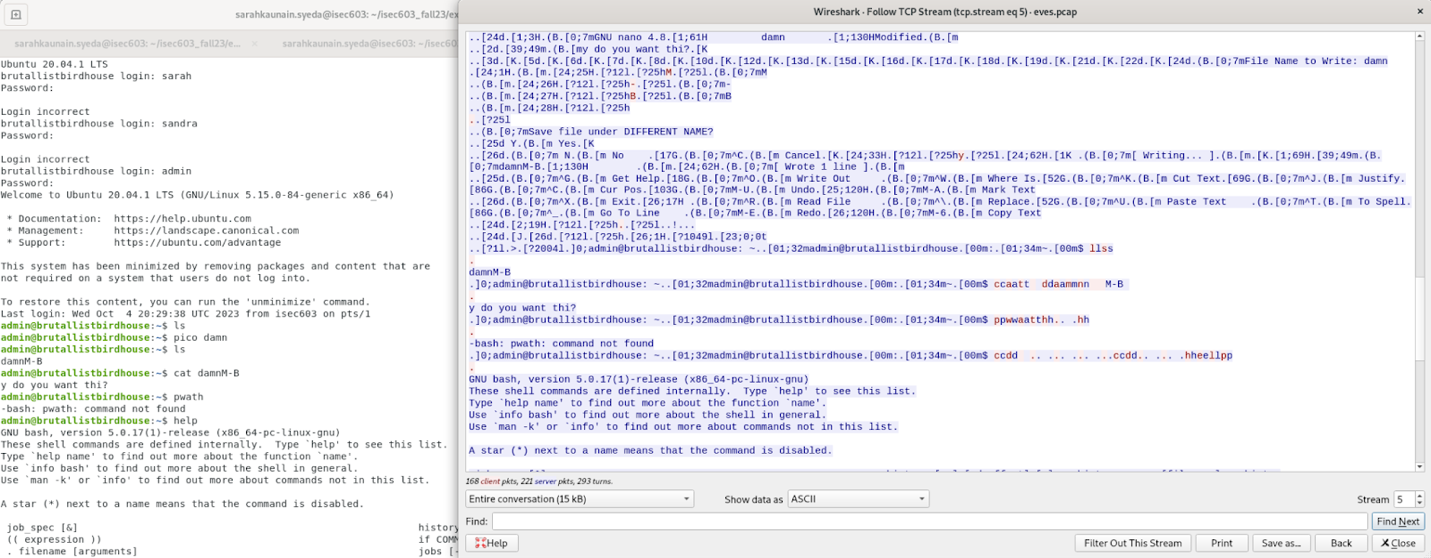
2. REQUEST and Response

3. Yes

A screenshot of a computer

Description automatically generated

4.



EXERCISE 3: SSH

1. 1 TCP connection

A screenshot of a computer

Description automatically generated

2. send is 8.696KiB

received is 10.372KiB

A screenshot of a computer

Description automatically generated

3. No

1. filter with syn packets in Wireshark and check any differences between them.

a.The time scp transfer takes is much larger. Also timing in scp transfer is much consistent since there is a burst of packets with larger payload sizes whereas the timing in the interactive session is irregular and corresponds to the user typing commands (e.g., typing 'ls' and pressing Enter) and receiving responses from the server.

A screenshot of a computer

Description automatically generated

b. The byte sizes of packets is also much larger in scp.

A screenshot of a computer

Description automatically generated

2.

3.height of the spike

1. One ssh connection

A screenshot of a computer

Description automatically generated