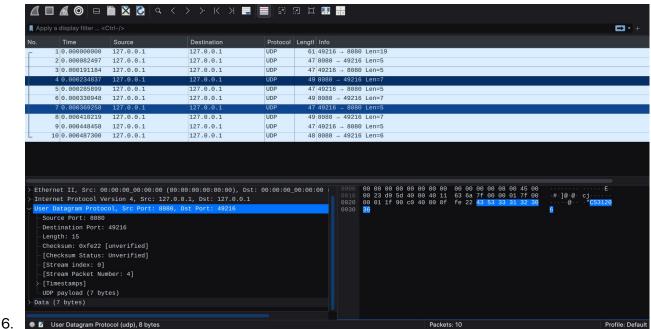


- 1. Screenshot of packet capture. The second, fourth...packets are the words in the file and the third, fifth... packets are the WORD1, WORD2..signals. The first packet contains the filename.
- 2. As we can see in the screenshot, UDP protocol is used for communication.
- 3. The source and destination IP Addresses are both 127.0.0.1. For the messages sent from wordclient to wordserver, the source port is 49216 and the destination port is 8080. For the reverse direction, the ports are also reversed.
- 4. The size of the filename request sent by the client is 61 bytes in total.
- 5. The size of the packet sent by the server for HELLO is 47 bytes and that of the packet sent in response to WORD1 is 49 bytes.



This shows the UDP payload of one of the packets.

- 7. The total time taken for the file transfer is 0.000487300 seconds.
- 8. The average size of the packets transferred is 49.1 bytes. Total 10 packets are transferred,, and their sum adds up to 490 bytes.