

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000000	127.0.0.1	127.0.0.1	UDP	61	49216 → 8080 Len=19
2	0.000082497	127.0.0.1	127.0.0.1	UDP	47	8080 → 49216 Len=5
3	0.000191184	127.0.0.1	127.0.0.1	UDP	47	49216 → 8080 Len=5
4	0.000234837	127.0.0.1	127.0.0.1	UDP	49	8080 → 49216 Len=7
5	0.000285899	127.0.0.1	127.0.0.1	UDP	47	49216 → 8080 Len=5
6	0.000339948	127.0.0.1	127.0.0.1	UDP	49	8080 → 49216 Len=7
7	0.000369258	127.0.0.1	127.0.0.1	UDP	47	49216 → 8080 Len=5
8	0.000410219	127.0.0.1	127.0.0.1	UDP	49	8080 → 49216 Len=7
9	0.000448458	127.0.0.1	127.0.0.1	UDP	47	49216 → 8080 Len=5
10	0.000487360	127.0.0.1	127.0.0.1	UDP	48	8080 → 49216 Len=6

pic.pcapng Packets: 10 Profile: Default

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.

The image shows a Wireshark packet capture analysis. The top pane displays a list of 10 packets, all of which are UDP packets from 127.0.0.1 to 127.0.0.1. The bottom pane shows a detailed view of the 4th packet, which is a User Datagram Protocol (UDP) packet. The packet details are as follows:

- Ethernet II, Src: 00:00:00_00:00:00 (00:00:00:00:00:00), Dst: 00:00:00_00:00:00
- Internet Protocol Version 4, Src: 127.0.0.1, Dst: 127.0.0.1
- User Datagram Protocol, Src Port: 8080, Dst Port: 49216
 - Source Port: 8080
 - Destination Port: 49216
 - Length: 15
 - Checksum: 0xfe22 [unverified]
 - [Checksum Status: Unverified]
 - [Stream index: 0]
 - [Stream Packet Number: 4]
 - [Timestamps]
 - UDP payload (7 bytes)
 - Data (7 bytes)

The packet bytes pane shows the raw data of the packet, with the payload (7 bytes) highlighted in blue. The status bar at the bottom indicates that 10 packets have been captured.

6. 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.