



In generally: The screenshot shows the application protocol flow. The server sends a welcome message (Blue), the client sends the username 'Bob' (Red), and the server validates it

More specifically:

	Info	Length	Protocol	Destination	Source	Time	No.
Seq=0 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM	[SYN]	1337 → 64985 56	TCP	127.0.0.1	127.0.0.1	9.892546 3	
Seq=0 Ack=1 Win=65535 Len=0 MSS=65495 WS=256 SACK_PERM	[SYN, ACK]	64985 → 1337 56	TCP	127.0.0.1	127.0.0.1	9.892611 4	
Seq=1 Ack=1 Win=65280 Len=0 [ACK]	1337 → 64985 44	TCP	127.0.0.1	127.0.0.1	9.892641 5		
Seq=1 Ack=1 Win=65280 Len=24 [PSH, ACK]	64985 → 1337 68	TCP	127.0.0.1	127.0.0.1	9.892816 6		
Seq=1 Ack=25 Win=65280 Len=0 [ACK]	1337 → 64985 44	TCP	127.0.0.1	127.0.0.1	9.892844 7		
Seq=1 Ack=25 Win=65280 Len=31 [PSH, ACK]	1337 → 64985 75	TCP	127.0.0.1	127.0.0.1	36.184195 16		
Seq=25 Ack=32 Win=65280 Len=0 [ACK]	64985 → 1337 44	TCP	127.0.0.1	127.0.0.1	36.184231 17		
Seq=25 Ack=32 Win=65280 Len=25 [PSH, ACK]	64985 → 1337 69	TCP	127.0.0.1	127.0.0.1	36.184337 18		
Seq=32 Ack=50 Win=65280 Len=0 [ACK]	1337 → 64985 44	TCP	127.0.0.1	127.0.0.1	36.184363 19		

Lines 1-3- the packets are SYN, SYN-ACK, ACK and thus, these three packets show the TCP 3-Way Handshake establishing the connection between the client and server.

Line 4 (PSH, ACK packet)- means the server pushes (PSH) data to the client (the 'Welcome' message)

Line 5 (ACK packet): The client acknowledges receiving the message.

Line 6 (PSH, ACK packet)- the client pushes (PSH) data to the server (his username and password)

Line 7 (ACK packet): The server acknowledges receiving the message.

Line 8 (PSH, ACK packet)- the server sends the "... good to see you" message.

Line 9 (ACK packet): The client acknowledges receiving the message.