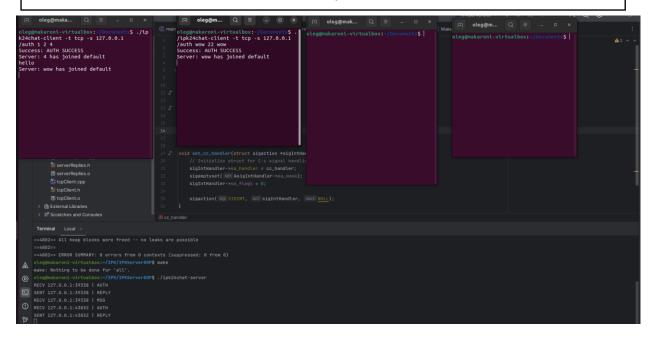
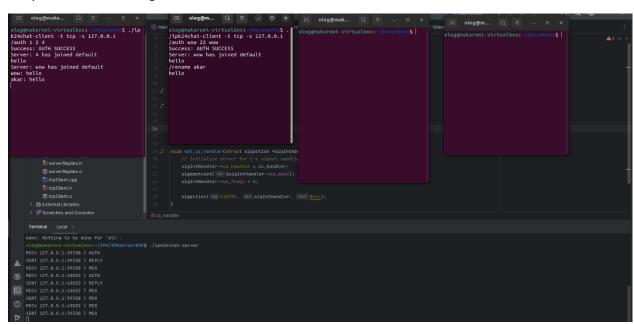
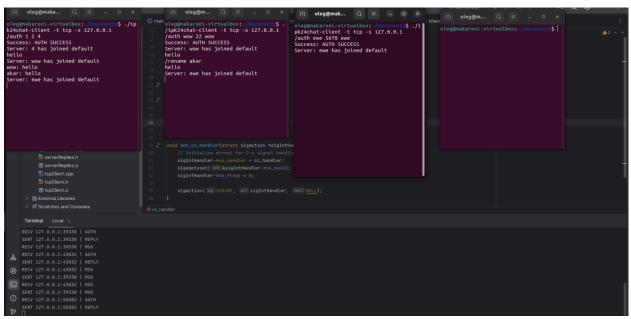
Two clients have joined server



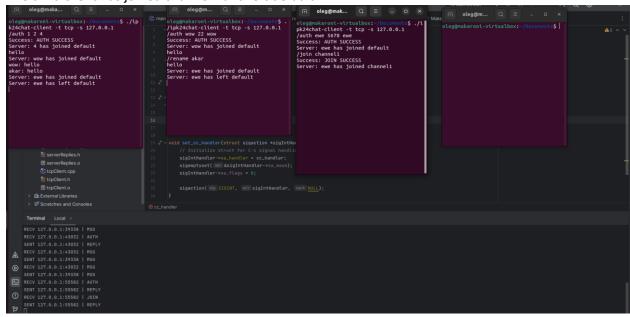
They are communicating with each other.



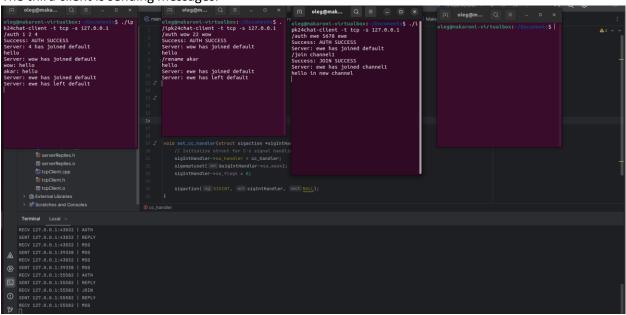
The third client has joined the server.



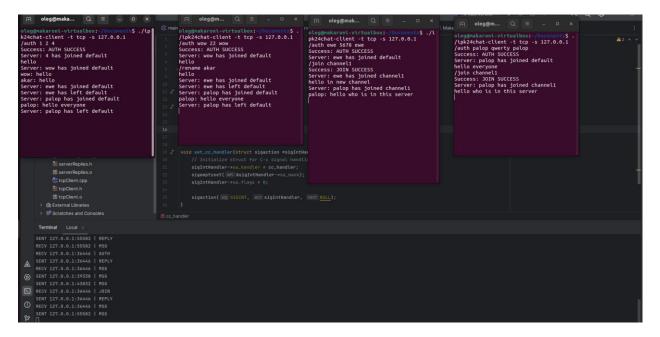
The third client has joined channel1 and left default.



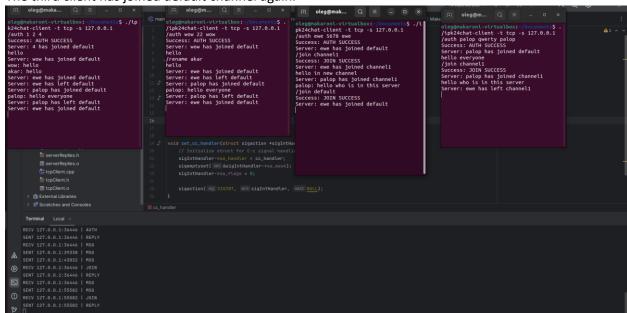
The third client is sending messages.



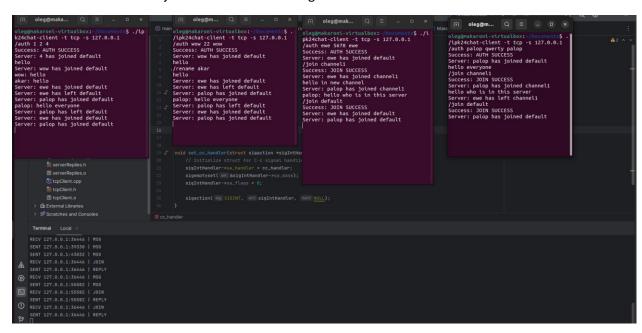
The fourth client has joined server and after joined channel1 and communicated with clients from that channel.



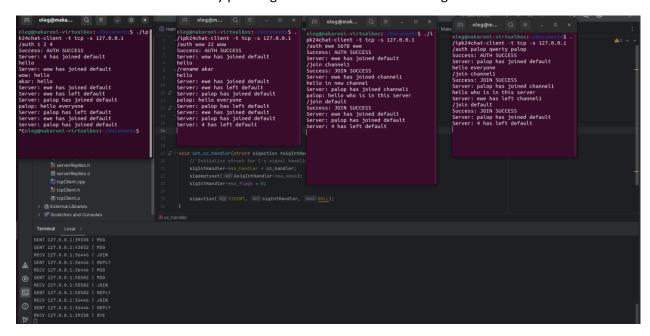
The third client has joined default channel again.



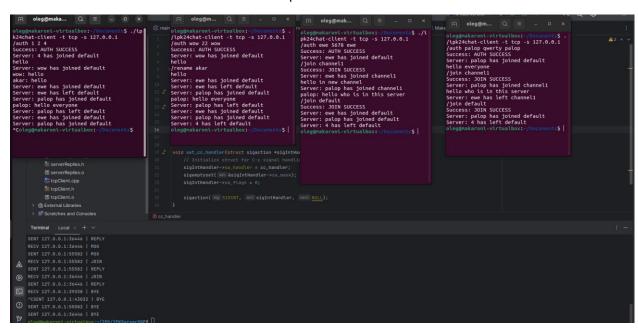
The fouth client has also joined default channel again.



The first client leaves the server by pressing ctrl + c. Server is stll running.



Server ended communication when ctrl+c was pressed and sended all clients BYE.



This is how previous communication is looking in WireShark.

No.	Time	Source	Destination	Protocol Le	noth Info	
140.	4 5.908225197		127.0.0.1	IPK24		aUtH 1 aS 4 uSinG 2
		127.0.0.1	127.0.0.1	IPK24		REPLY OK IS AUTH SUCCESS
	8 5.908429224	127.0.0.1	127.0.0.1	IPK24		MSG FROM Server IS 4 has joined default
	11 132.572584451		127,0,0,1	IPK24		msG FROM 4 1S hello
	16 166,844489871		127.0.0.1	IPK24		aUth wow as wow using 22
	18 166.844658342	127.0.0.1	127.0.0.1	IPK24	92 Server - C	REPLY OK IS AUTH SUCCESS
	20 166.044685463		127.0.0.1	IPK24		MSG FROM Server IS wow has joined default
	22 166.044706906		127.0.0.1	IPK24		MSG FROM Server IS wow has joined default
	28 198.587819025		127.0.0.1	IPK24		msG FROM wow is hello
1	29 198.587932530		127.0.0.1	IPK24	89 Server → C	msG FRoM wow is hello
d d	32 221.272389932		127.0.0.1	IPK24	90 C → Server	msG FRoM akar iS hello
1	34 221.272582339		127.0.0.1	IPK24	90 Server → C	msG FRoM akar iS hello
4	39 246.268112346		127.0.0.1	IPK24		aUth ewe as ewe usinG 5678
	41 246 . 268194736	127.0.0.1	127.0.0.1	IPK24	92 Server → C	REPLY OK IS AUTH SUCCESS
1	43 246.268213688	127.0.0.1	127.0.0.1	IPK24	109 Server → C	MSG FROM Server IS ewe has joined default
	45 246, 268227439	127.0.0.1	127.0.0.1	IPK24	109 Server → C	MSG FROM Server IS ewe has joined default
	47 246.268238901	127.0.0.1	127.0.0.1	IPK24	109 Server → C	MSG FROM Server IS ewe has joined default
	49 262 620212970		127.0.0.1	IPK24		iOIn channel1 aS ewe
	50 262 620271912	127.0.0.1	127.0.0.1	IPK24	92 Server → C	REPLY OK IS JOIN SUCCESS
i	52 262.620287163	127.0.0.1	127.0.0.1	IPK24		MSG FROM Server IS ewe has left default
	54 262 620296798	127.0.0.1	127.0.0.1	IPK24	107 Server - C	MSG FROM Server IS ewe has left default
i i	56 262.620310529	127.0.0.1	127.0.0.1	IPK24	110 Server - C	MSG FROM Server IS ewe has joined channel1
4	58 286,431931533	127.0.0.1	127.0.0.1	IPK24	104 C - Server	msG FRoM ewe iS hello in new channel
	63 317.143848866	127.0.0.1	127.0.0.1	IPK24	100 C → Server	aUtH palop aS palop uSinG gwerty
	65 317.144001729	127.0.0.1	127.0.0.1	IPK24	92 Server → C	REPLY OK IS AUTH SUCCESS
9	67 317.144036255	127.0.0.1	127.0.0.1	IPK24	111 Server - C	MSG FROM Server IS palop has joined default
	69 317.144065965	127.0.0.1	127.0.0.1	IPK24	111 Server - C	MSG FROM Server IS palop has joined default
	71 317.144086179	127.0.0.1	127.0.0.1	IPK24	111 Server - C	MSG FROM Server IS palop has joined default
	73 327.381049954	127.0.0.1	127.0.0.1	IPK24	100 C → Server	msG FRoM palop iS hello everyone
1	74 327.381143909	127.0.0.1	127.0.0.1	IPK24	100 Server - C	msG FROM palop is hello everyone
	76 327.381179727	127.0.0.1	127.0.0.1	IPK24	100 Server → C	msG FRoM palop iS hello everyone
	79 348.791005843	127.0.0.1	127.0.0.1	IPK24	90 C → Server	jOIn channel1 aS palop
	81 348.791069724	127.0.0.1	127.0.0.1	IPK24	92 Server → C	REPLY OK IS JOIN SUCCESS
	83 348.791083708	127.0.0.1	127.0.0.1			MSG FROM Server IS palop has left default
	85 348.791096488	127.0.0.1	127.0.0.1			MSG FROM Server IS palop has left default
	87 348.791139769	127.0.0.1	127.0.0.1			MSG FROM Server IS palop has joined channel1
	89 348.791150457		127.0.0.1			MSG FROM Server IS palop has joined channel1
	91 365.224353049	127.0.0.1	127.0.0.1			msG FRoM palop iS hello who is in this server
	92 365.224453594		127.0.0.1			msG FRoM palop iS hello who is in this server
	95 388.221067258		127.0.0.1	IPK24		jOIn default aS ewe
	97 388.221162667	127.0.0.1	127.0.0.1	IPK24	92 Server → C	REPLY OK IS JOIN SUCCESS
	111 408.300775632	127.0.0.1	127.0.0.1	IPK24	111 Server - C	MSG FROM Server IS palop has joined default
	113 408.300790201	127.0.0.1	127.0.0.1	IPK24	111 Server → C	MSG FROM Server IS palop has joined default
	115 408.300802099		127.0.0.1	IPK24		MSG FROM Server IS palop has joined default
	117 408.300812566	127.0.0.1	127.0.0.1	IPK24	111 Server - C	MSG FROM Server IS palop has joined default
1	119 417.521192228		127.0.0.1	IPK24	71 C → Server	
	122 417.521346917		127.0.0.1	IPK24	105 Server - C	MSG FROM Server IS 4 has left default
	124 417.521366431		127.0.0.1			MSG FROM Server IS 4 has left default
	126 417.521374491	127.0.0.1	127.0.0.1	IPK24	105 Server - C	MSG FROM Server IS 4 has left default
	130 429.894504641		127.0.0.1	IPK24	71 Server - C	BYE
	132 429.894558813		127.0.0.1	IPK24	71 Server → C	
	134 429.894579982	127.0.0.1	127.0.0.1	IPK24	71 Server → C	