

## Documentation for init 6 Chat Protocol 1:

Unsecure, plain-text, telnet-like protocol.

Main purpose is easiness of implementation.

Commands can be separated by either:

0x0A - (\n) (\*nix)

0x0D - (\r) (mac)

0x0D 0x0A (\r\n) (Windows)

By default server will return all strings separated by \r\n (0x0D followed by 0x0A) as in Windows format.

Remains for discussion whether this protocol shall be capable of gaining ops, and so if it can be used for warring.

Client MUST send at least one packet per minute as a keep alive notification to the server. It can be either a PING response, an empty packet "/NULL", or any chat message.

Ping response is optional. To prevent ridiculous ping spoof, client must answer within a minute or ping cookie will be invalidated.

### LOGIN SEQUENCE:

CLIENT -> SERVER

C1

ACCT <Account>

PASS <Password>

HOME <Home Channel>

LOGIN

SERVER -> CLIENT

(RESULT) OK, FAIL <Reason>

SERVER -> CLIENT

PING <Cookie>

CLIENT -> SERVER (Optional)

/PONG <Cookie>

In Chat:

Commands shall be divided into 3 command groups: USER, CHANNEL, SERVER

User command shall have 8 columns separated by space. If the given command does not provide a column, it will leave it blank.

User:

USER	IN			<Flags>	<Ping>	<Name>	<Stats>
USER	JOIN			<Flags>	<Ping>	<Name>	<Stats>
USER	LEAVE					<Name>	
USER	WHISPER	TO/FROM				<Name>	<Msg>
USER	TALK	TO/FROM				<Name>	<Msg>
USER	EMOTE					<Name>	<Msg>
USER	UPDATE			<Flags>	<Ping>	<Name>	<Stats>

TO/FROM is the direction. TO signifies acknowledgment from the server that your message has been processed.

Stats currently reflect “reverse product” of the user.

Channel command shall have ~~7~~ **6** columns separated by space. If the given command does not provide a column, it will leave it blank.

VERSION UPDATE BECAUSE I AM RETARDED: Protocol cannot support multiple columns with content that contains spaces. Therefore values with spaces shall only be contained in the last column.

Channel:

CHANNEL	JOIN			<Flags>	<Name>	
CHANNEL	UPDATE			<Flags>	<Name>	<Topic>

CHANNEL	TOPIC				<Topic>	

Server command shall have 6 columns separated by space. If the given command does not provide a column, it will leave it blank.

Server:

SERVER	INFO				<Msg>
SERVER	ERROR				<Msg>
SERVER	BROADCAST			<Name>	<Msg>
SERVER	TOPIC				<Topic>
SERVER	UPDATE			<Name>	<Topic>

Example of the protocol while connecting from telnet:

```
telnet 881
USER IN 16 68 noki TAHC
USER IN 17 0 Filip-Work TAHC
USER IN 16 0 bawt TAHC
SERVER INFO This is a chat channel. No Ops will be given.
USER LEAVE Filip-Work
USER JOIN 17 0 Filip-Work TAHC
/top
SERVER INFO Showing the top 25 all connections:
SERVER INFO 1 | l2eV.Sea7 | CHAT | 164.008ms | Dark
SERVER INFO 2 | l2eV.Sea14 | CHAT | 164.735ms | Dark
SERVER INFO 3 | i!^tool^s6 | CHAT | 166.270ms | WAR
SERVER INFO 4 | LeV]6[Sea | CHAT | 166.313ms | Dark
SERVER INFO 5 | (i!)~tool~(s6) | CHAT | 171.418ms | SeX
SERVER INFO 6 | i!^tool^s4 | CHAT | 178.187ms | WAR
SERVER INFO 7 | l2eV.Sea12 | CHAT | 178.215ms | Dark
SERVER INFO 8 | RoaM`3 | CHAT | 178.225ms | Dark
SERVER INFO 9 | +l3+BANG0D`4 | CHAT | 178.248ms | HELL
SERVER INFO 10 | +l3+BANG0D`8 | CHAT | 180.921ms | HELL
SERVER INFO 11 | +l3+BANG0D`6 | CHAT | 188.766ms | HELL
SERVER INFO 12 | l2eV.Sea3 | CHAT | 188.797ms | Dark
SERVER INFO 13 | +l3+BANG0D`5 | CHAT | 209.796ms | HELL
SERVER INFO 14 | +l3+BANG0D`7 | CHAT | 209.944ms | HELL
SERVER INFO 15 | +l3+BANG0D`1 | CHAT | 209.959ms | HELL
SERVER INFO 16 | l2eV.Sea2 | CHAT | 217.883ms | Dark
SERVER INFO 17 | (i!)~tool~(s4) | CHAT | 217.919ms | SeX
SERVER INFO 18 | +i!+ZeN7GoD+i!+ | CHAT | 217.938ms | Dark
SERVER INFO 19 | +l3+BANG0D`3 | CHAT | 217.952ms | HELL
SERVER INFO 20 | i!^tool^s5 | CHAT | 217.966ms | WAR
SERVER INFO 21 | +l3+BANG0D`2 | CHAT | 259.878ms | HELL
SERVER INFO 22 | l2eV.Sea18 | CHAT | 259.940ms | SeX
SERVER INFO 23 | (i!)~tool~(s3) | CHAT | 259.993ms | SeX
SERVER INFO 24 | l2eV.Sea1 | CHAT | 291.132ms | Dark
SERVER INFO 25 | LeV]5[Sea | CHAT | 402.488ms | Dark
USER JOIN 0 19 l2k-Spec-Ops_X RATS
PING 4z2m
USER TALK FROM Filip-Work Test
USER WHISPER FROM Filip-Work hello
/w Filip-Work hi!
USER WHISPER TO Filip-Work hi!
$USER EMOTE RoaM`Linux - RealChat v0.9
PING sHeM
USER TALK FROM +l3+GotSex+ SlowBot v0.01 - DC v1.3b2 [Private Edition].
```