

The HCP (Hav0c Communication Protocol) Standard

The HCP is an IP-to-IP protocol, which means that the client connects to a server using its IP address). It uses port 1337, And encryption can be implemented as well (right now I'm thinking in using XOR to scramble the text, until I come up with a more secure algorithm). It's mainly based in the IRC protocol, with a few modifications.

Example of the protocol:

- 1- HVC SAY :nigger stole my bike\n
- 2- HVC ACTION :is a nigger\n

HVC	-	Nickname of the user;
SAY	-	Say something to the server/client;
:	-	The semicolon tells where the message starts;
\n	-	End-Of-Line character (0xA). Tells where the message ends;
ACTION	-	Talk in 3 rd person (about yourself, same as in IRC).

Arguments

<u>Argument</u>	<u>Next</u>	<u>Description</u>
-s	Nothing	Act as a server. Can't be used if the -c argument is given
-c	Server's IP	Connect to a server. Can't be used if the -s argument is given
-k	number	Encryption key. If set, encryption will be used

Example:

```
$ ./hvc -s -k 69
$ ./hvc -c 127.0.0.1
```

Connection

<u>Define</u>	<u>Hex code</u>	<u>Sent By</u>	<u>Description</u>
CON_REQUEST	0x1	Client	Used to request a connection
CON_OK	0x2	Server	Used when connection is accepted without encryption
CON_CRYPT	0x3	Server	Used when connection is accepted with encryption
CON_CLOSE	0x29A	Both	Sent when closing a connection
CON_KEY_OK	0xA	Server	Sent if encryption key was accepted
PING_S	0xDE	Both	Ping request
PING_R	0xAD	Both	Ping reply