Communication Protocol (peer/name-server)

Using Big-Endian Notation

Connect and Register nickname

- REQUEST

1 byte	1 byte	(1-256) bytes	1 byte	(1-256) bytes	4 bytes
type(1)	nickname size	nickname	address size	address	port

- RESPONSE

1 byte	1 byte
type(1)	SUCCESS(1) - FAILURE(2)

Request all connected host nicknames

- REQUEST

1 byte
type(2)

- RESPONSE

1 byte	1 byte	1 byte
type(2)	SUCCESS(1) - FAILURE(2)	number of connected hosts

append the follow bytes for each connected host:

1 byte	(1-256) bytes
host(n) nickname size	host(n) nickname

Request host information by nickname

- REQUEST

1 byte	1 byte	(1-256) bytes
type(3)	host nickname size	nickname

- RESPONSE

1 byte	1 byte	(1-256) bytes	4 bytes
type(3)	host address size	host ip address	host port