

# Binary Protocol

## Command send by client

- Login
  - 000 : **login**  
[magic\_number] 000 [packet\_size] [username]
- Contact handling
  - 001 : **add contact**  
[magic\_number] 001 [packet\_size] [username]
  - 002 : **accept contact**  
[magic\_number] 002 [packet\_size] [username]
  - 003 : **reject contact**  
[magic\_number] 003 [packet\_size] [username]
  - 004 : **remove contact**  
[magic\_number] 004 [packet\_size] [username]
  - 005 : **get contact list**  
[magic\_number] 005 [packet\_size] [username]
- Call handling
  - 100 : **init call**  
[magic\_number] 100 [packet\_size]  
[username\_1];[username\_2];...
  - 101 : **accept call**  
[magic\_number] 101
  - 102 : **reject call**  
[magic\_number] 102 [packet\_size] [call\_id]
  - 103 : **hang up**  
[magic\_number] 103

## Response send by server

- Connection
  - 200 : **connection accepted**  
[magic\_number] 200
- Login
  - 201 : **logged in**  
[magic\_number] 201 [packet\_size] [username]
- Contact handling
  - 203 : **contact request accepted**  
[magic\_number] 203 [packet\_size] [username]
  - 204 : **contact request dismissed**  
[magic\_number] 204 [packet\_size] [username]
  - 205 : **contact request transmitted**  
[magic\_number] 205 [packet\_size] [username]
  - 206 : **contact list**  
[magic\_number] 206 [packet\_size]  
[username\_1];[username\_2];...
  - 207 : **new contact request**  
[magic\_number] 207 [packet\_size] [username]
- Call handling
  - 208 : **call taken into account**  
[magic\_number] 208
  - 209 : **call accepted**  
[magic\_number] 209 [packet\_size]  
[caller\_username:caller\_ip];[username\_1:ip\_1];...
  - 210 : **someone joined the call**  
[magic\_number] 210 [packet\_size] [username:ip]
  - 211 : **call request**  
[magic\_number] 210 [packet\_size]  
[caller\_username:caller\_ip]

- Error handling
  - 400 : **bad request**  
[magic\_number] 400 [packet\_size] [message]
  - 401 : **already logged**  
[magic\_number] 401 [packet\_size] [username]
  - 403 : **not authorized**  
[magic\_number] 403 [packet\_size] [message]
  - 404 : **command not found**  
[magic\_number] 404 [packet\_size] [message]
  - 500 : **internal server error**  
[magic\_number] 500 [packet\_size] [message]