|  |  |  |  |
| --- | --- | --- | --- |
| 注册命令->server | 注册成功->client | 登录命令->server | 登录成功->client |
| CMD\_SIGNUP  CMD\_REQUEST  sender\_id (0)  recver\_id (0)  $  otherMsg(  signupName  signupPswd)  $ | CMD\_SIGNUP  CMD\_CONFIRM  sender\_id (0)  recver\_id (new id)  $  otherMsg()  $ | CMD\_SIGNIN  CMD\_REQUEST  sender\_id (uid)  recver\_id (0)  $  otherMsg(signinPswd)  $ | CMD\_SIGNIN  CMD\_CONFIRM|CMD\_REFUSE\_REFUSE  sender\_id (0)  recver\_id (uid)  $  otherMsg()  $ |
| 消息转发请求->server | 消息转发->recver | 好友申请->server->recver | 同意申请->server->recver |
| CMD\_TALKTO  CMD\_REQUEST  sender\_id  recver\_id  $  otherMsg(msg)  $ | CMD\_TALKTO  CMD\_REQUEST  sender\_id  recver\_id  $  otherMsg(msg)  $ | CMD\_NEWFND  CMD\_REQUEST  sender\_id(requester)  recver\_id(confirmer)  $  otherMsg(senderName)  $ | CMD\_NEWFND  CMD\_CONFIRM  sender\_id(confirmer)  recver\_id(requester)  $  otherMsg(senderName)  $ |
| 拒绝申请->server->recver | 请求简用户信息->server | 返回简用户信息->sender | 请求详用户信息->server |
| CMD\_NEWFND  CMD\_REFUSE  sender\_id(refuser)  recver\_id  $  otherMsg()  $ | CMD\_USRINFO  CMD\_BRIEF  sender\_id(requester)  recver\_id(info\_id)  $  otherMsg()  $ | CMD\_USRINFO  CMD\_BRIEF  sender\_id(requester)  recver\_id(info\_id)  $  otherMsg(info\_name)  $ | CMD\_USRINFO  CMD\_DETAIL  sender\_id(requester)  recver\_id(info\_id)  $  otherMsg()  $ |
| 请求详用户信息->sender | **通用协议** |  |  |
| CMD\_USRINFO  CMD\_DETAIL  sender\_id(requester)  recver\_id(info\_id)  $  otherMsg(detail)  $ | **CMD\_0**  **CMD\_1**  **sender**  **recver**  **$**  **otherMsg**  **$** |  |  |

|  |  |
| --- | --- |
| SockPackage | |
| CMD\_0  CMD\_1  sender  recver  otherMsg | int  int  int  int  char\* |

|  |  |
| --- | --- |
| UserData | |
| userName  otherMsg | int  char\* |