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1. **通信功能**
   1. **交易员登陆**

**功能描述： 客户端发交易员信息，服务端确认交易员信息是否正确**

**数据演示：**

|  |
| --- |
| 交易员登陆:  请求:{"MsgRef":6,"MsgSendFlag":0,"MsgType":1,"TraderID":"1601","Password":"123456","MsgSrc":0}  成功:{"MsgRef":1,"MsgSendFlag":1,"MsgType":1,"TraderID":"1601","MsgResult":0,"MsgErrorReason":""}  失败:{"MsgRef":1,"MsgSendFlag":1,"MsgType":1,"TraderID":"1601","MsgResult":1,"MsgErrorReason":"用户名或者密码错误!"} |

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 0 |
| MsgType | 消息类型 | int | 1 |
| TraderID | 交易员ID | string | “zhangsan” |
| Password | 交易员密码 | string | “123456” |

**输出参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 1 |
| MsgType | 消息类型 | int | 1 |
| TraderID | 交易员ID | string | “zhangsan” |
| MsgResult | 消息结果 | int | 0 |
| MsgErrorReason | 错误消息原因 | string | “” |

* 1. **查询期货账户**

**功能描述： 客户端发送查询期货账户，服务端返回期货账户信息**

|  |
| --- |
| 查询期货账户:  请求:{"MsgRef":1,"MsgSendFlag": 0,"TraderID":"1601","MsgType":2,"MsgSrc":0}  成功有数据:{"MsgRef":47,"MsgSendFlag":1,"MsgType":2,"TraderID":"1601","MsgResult":0,"MsgErrorReason":"","Info":[{"brokerid":"9999","traderid":"1601","password":"669822","userid":"058176","frontaddress":"tcp://180.168.146.187:10000"},{"brokerid":"9999","traderid":"1601","password":"123456","userid":"063802","frontaddress":"tcp://180.168.146.187:10000"}],"MsgSrc":0}  成功无数据:{"MsgRef":48,"MsgSendFlag":1,"MsgType":2,"TraderID":"161","MsgResult":0,"MsgErrorReason":"","Info":[],"MsgSrc":0} |

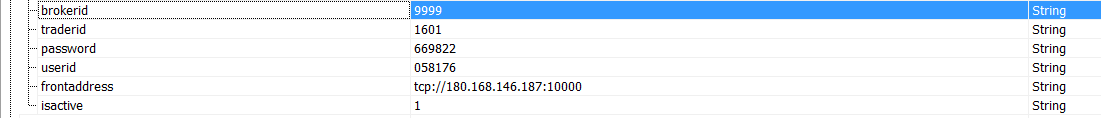
**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 0 |
| MsgType | 消息类型 | int | 2 |
| TraderID | 交易员ID | string | “zhangsan” |

**输出参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 1 |
| MsgType | 消息类型 | int | 2 |
| TraderID | 交易员ID | string | “zhangsan” |
| MsgResult | 消息结果 | int | 0 |
| MsgErrorReason | 错误消息原因 | string | “” |
| Info | 消息内容 | array | {[],[],[]…} |

备注：期货账户字段：



**1.3 查询策略信息**

**功能描述：客户端查询策略信息，服务度返回策略信息**。

|  |
| --- |
| 查询策略:  请求:{"MsgRef":1,"MsgSendFlag": 0,"MsgType":3,"TraderID":"1601", "UserID":"","MsgSrc":0}  成功有数据:{"MsgRef":2,"MsgSendFlag":1,"MsgType":3,"TraderID":"1601","MsgResult":0,"MsgErrorReason":"","Info":[{"position\_a\_sell\_today":0,"position\_b\_sell":0,"spread\_shift":0.0,"position\_b\_sell\_today":0,"position\_b\_buy\_today":0,"position\_a\_sell":0,"buy\_close":0.0,"stop\_loss":0.0,"position\_b\_buy\_yesterday":0,"is\_active":true,"position\_b\_sell\_yesterday":0,"strategy\_id":"03","position\_b\_buy":0,"lots\_batch":1,"position\_a\_buy":0,"sell\_open":-9000.0,"order\_algorithm":"01","trader\_id":"1601","order\_action\_tires\_limit":400,"sell\_close":9000.0,"buy\_open":-9000.0,"only\_close":false,"list\_instrument\_id":["zn1701","zn1702"],"position\_a\_buy\_yesterday":0,"user\_id":"058176","position\_a\_buy\_today":0,"position\_a\_sell\_yesterday":0,"lots":10,"a\_wait\_price\_tick":1.0,"b\_wait\_price\_tick":0.0}],"MsgSrc":0}  成功无数据:{"MsgRef":3,"MsgSendFlag":1,"MsgType":3,"TraderID":"1601","MsgResult":0,"MsgErrorReason":"","Info":[],"MsgSrc":0} |

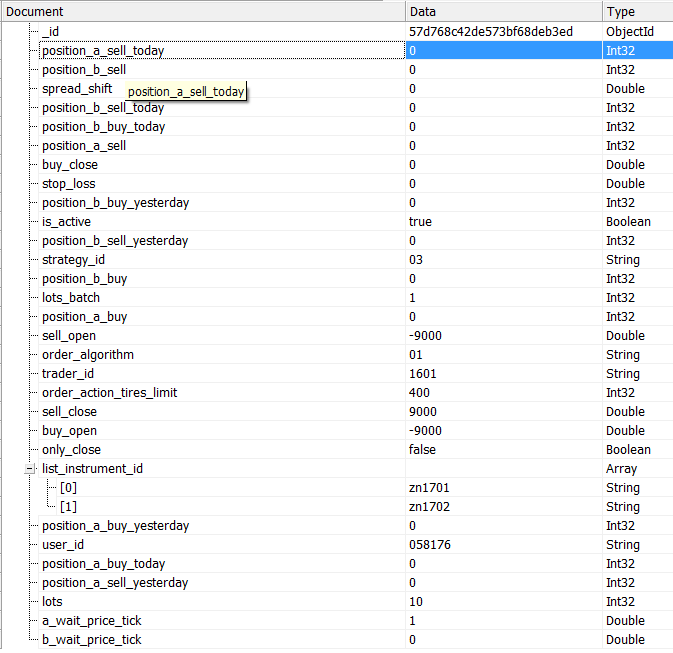
**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 0 |
| MsgType | 消息类型 | int | 3 |
| TraderID | 交易员ID | string | “zhangsan” |
| UserID | 期货账户 (如果为空返回全部策略) | string | “8600123” |

**输出参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 1 |
| MsgType | 消息类型 | int | 3 |
| TraderID | 交易员ID | string | “zhangsan” |
| MsgResult | 消息结果 | int | 0 |
| MsgErrorReason | 错误消息原因 | string | “” |
| Info | 消息内容 | array | {[],[],[]…} |

备注：Info策略字段：



**1.4 修改策略信息**

**功能描述：客户端发送策略修改信息，服务度修改后进行响应**。

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 0 |
| MsgType | 消息类型 | int | 5 |
| TraderID | 交易员ID | string | “zhangsan” |
| UserID | 期货账户 | string | “8600123” |
| Info | 消息内容 | array | {[],[],[]…} |

**输出参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 1 |
| MsgType | 消息类型 | int | 5 |
| TraderID | 交易员ID | string | “zhangsan” |
| MsgResult | 消息结果 | int | 0 |
| MsgErrorReason | 错误消息原因 | string | “” |

**1.5 行情配置查询**

**功能描述：客户端从服务度查询行情前置地址，服务度返回行情前置地址**。

|  |
| --- |
| 查询行情配置:  请求:{"MsgRef":1,"MsgSendFlag": 0,"MsgType":4,"TraderID":"1601","MsgSrc":0}  成功有数据:{"MsgRef":0,"MsgSendFlag":1,"MsgType":4,"TraderID":"1601","MsgResult":0,"MsgErrorReason":"","Info":[{"brokerid":"1","traderid":"tcp://180.168.146.187:10011","password":"9999","userid":"058176","frontaddress":"123456"}],"MsgSrc":0}  成功无数据:{"MsgRef":1,"MsgSendFlag":1,"MsgType":4,"TraderID":"1601","MsgResult":0,"MsgErrorReason":"","Info":[],"MsgSrc":0} |

**输入参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 0 |
| MsgType | 消息类型 | int | 4 |
| TraderID | 交易员ID | string | “zhangsan” |

**输出参数：**

|  |  |  |  |
| --- | --- | --- | --- |
| 参数名称 | 参数含义 | 参数类型 | 参数样例 |
| MsgRef | 消息引用 | int | 1 |
| MsgSendFlag | 消息发送方  (0:客户端发 1:服务端发) | int | 1 |
| MsgType | 消息类型 | int | 4 |
| TraderID | 交易员ID | string | “zhangsan” |
| MsgResult | 消息结果 | int | 0 |
| MsgErrorReason | 错误消息原因 | string | “” |
| Info | 消息内容 | array | {[],[],[]…} |