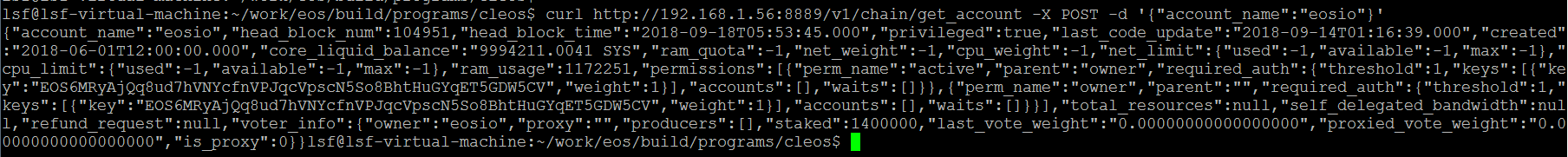
rpc 账户间交易

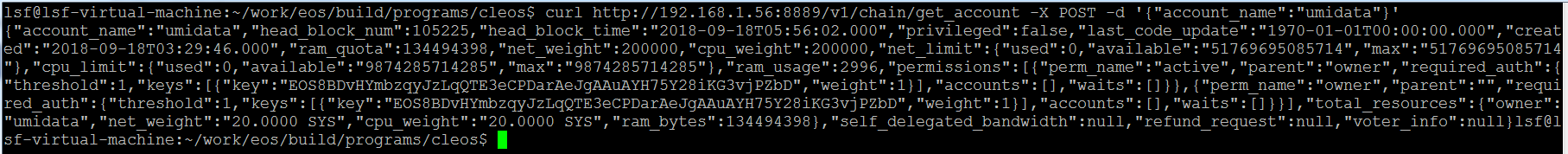
**查看eosio账户余额**

curl http://192.168.1.56:8889/v1/chain/get\_account -X POST -d '{"account\_name":"eosio"}'



**查看umidata账户余额**

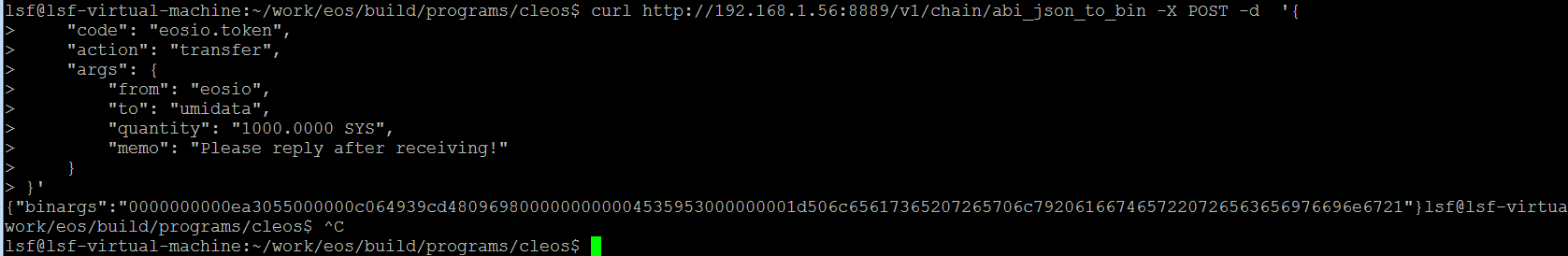
curl http://192.168.1.56:8889/v1/chain/get\_account -X POST -d '{"account\_name":"umidata"}'



**将交易信息由JSON格式序列化为BIN格式字符串**

从eosio转1000EOS给umidata：

curl http://192.168.1.56:8889/v1/chain/abi\_json\_to\_bin -X POST -d ‘{"code":"eosio.token","action":"transfer","args":{"from":"eosio","to":"umidata","quantity":"1000.0000 SYS", "memo":"Please reply after receiving！"}}’



{"binargs":"0000000000ea3055000000c064939cd4809698000000000004535953000000001d506c65617365207265706c7920616674657220726563656976696e6721"}

**获取当前最新的区块编号**

curl http://192.168.1.56:8889/v1/chain/get\_info

{"server\_version":"e87d245d","chain\_id":"cf057bbfb72640471fd910bcb67639c22df9f92470936cddc1ade0e2f2e7dc4f","head\_block\_num":106171,"last\_irreversible\_block\_num":106170,"last\_irreversible\_block\_id":"00019ebab528854189a3b25617d4b0512fe49d0c51fe9ceb500f8757361ae5b4","head\_block\_id":"00019ebb562d5999d235eab2a09582befd838ac5ab928d92aaaf61021d3d98df","head\_block\_time":"2018-09-18T06:03:55.000","head\_block\_producer":"eosio","virtual\_block\_cpu\_limit":200000000,"virtual\_block\_net\_limit":1048576000,"block\_cpu\_limit":199900,"block\_net\_limit":1048576,"server\_version\_string":"v1.2.3-dirty"}

**根据区块编号获取区块详情**

curl http://192.168.1.56:8889/v1/chain/get\_block -X POST -d '{"block\_num\_or\_id":106171}'

{"timestamp":"2018-09-18T06:03:55.000","producer":"eosio","confirmed":0,"previous":"00019ebab528854189a3b25617d4b0512fe49d0c51fe9ceb500f8757361ae5b4","transaction\_mroot":"0000000000000000000000000000000000000000000000000000000000000000","action\_mroot":"140de8499a74cce764c258d789130dbaecd53880f6368a52c25165c49536cc40","schedule\_version":0,"new\_producers":null,"header\_extensions":[],"producer\_signature":"SIG\_K1\_KASq5uj92Nk31JuwqwCPCndhMqnWEAC1CA5kLWEZTsEbLrN5QDYS6godWD9iAcuBtvEzyTU39p8eKRuUGaWL2FLBXvqzYx","transactions":[],"block\_extensions":[],"id":"00019ebb562d5999d235eab2a09582befd838ac5ab928d92aaaf61021d3d98df","block\_num":106171,"ref\_block\_prefix":3001693650}

获取到timestamp 和ref\_block\_prefix

**签署交易**

解锁钱包

curl http://192.168.1.56:8888/v1/wallet/unlock -X POST -d '["default", "PW5JJN8KLE2akHa62NeTCmjkUbmetLfA2edAvb3ge5TR59oDASpi3"]'

curl http://192.168.1.56:8888/v1/wallet/sign\_transaction -X POST -d

'[

{

"ref\_block\_num": 106171,

"ref\_block\_prefix": 3001693650,

"expiration": "2018-09-18T06:33:55.000",

"actions": [

{

"account": "eosio.token",

"name": "transfer",

"authorization": [

{

"actor": "eosio",

"permission": "active"

}

],

"data": "0000000000ea3055000000c064939cd4809698000000000004535953000000001d506c65617365207265706c7920616674657220726563656976696e6721"

}

],

"signatures": [

]

},

[

"EOS6MRyAjQq8ud7hVNYcfnVPJqcVpscN5So8BhtHuGYqET5GDW5CV"

],

"cf057bbfb72640471fd910bcb67639c22df9f92470936cddc1ade0e2f2e7dc4f"

]'

{"expiration":"2018-09-18T06:33:55","ref\_block\_num":40635,"ref\_block\_prefix":3001693650,"max\_net\_usage\_words":0,"max\_cpu\_usage\_ms":0,"delay\_sec":0,"context\_free\_actions":[],"actions":[{"account":"eosio.token","name":"transfer","authorization":[{"actor":"eosio","permission":"active"}],"data":"0000000000ea3055000000c064939cd4809698000000000004535953000000001d506c65617365207265706c7920616674657220726563656976696e6721"}],"transaction\_extensions":[],"signatures":["SIG\_K1\_K3XLwFZQGJDnAZqNxjzeiLZ62rJxPnaVsVxQcz9uGKtmSB8Q5KjcHtGxvQXqh6VDzS6yyK5Pt7o39zG9kHLBGgM6CUTMTK"],"context\_free\_data":[]}

**提交交易**

curl http://192.168.1.56:8889/v1/chain/push\_transaction -X POST -d

'{

"transaction": {

"expiration": "2018-09-18T06:33:55.000",

"ref\_block\_num": 106171,

"ref\_block\_prefix": 3001693650,

"max\_net\_usage\_words": 0,

"max\_cpu\_usage\_ms": 0,

"delay\_sec": 0,

"context\_free\_actions": [

],

"actions": [

{

"account": "eosio.token",

"name": "transfer",

"authorization": [

{

"actor": "eosio",

"permission": "active"

}

],

"data": "0000000000ea3055000000c064939cd4809698000000000004535953000000001d506c65617365207265706c7920616674657220726563656976696e6721"

}

],

"transaction\_extensions": [

],

"context\_free\_data": [

]

},

"signatures": [

"SIG\_K1\_K3XLwFZQGJDnAZqNxjzeiLZ62rJxPnaVsVxQcz9uGKtmSB8Q5KjcHtGxvQXqh6VDzS6yyK5Pt7o39zG9kHLBGgM6CUTMTK"

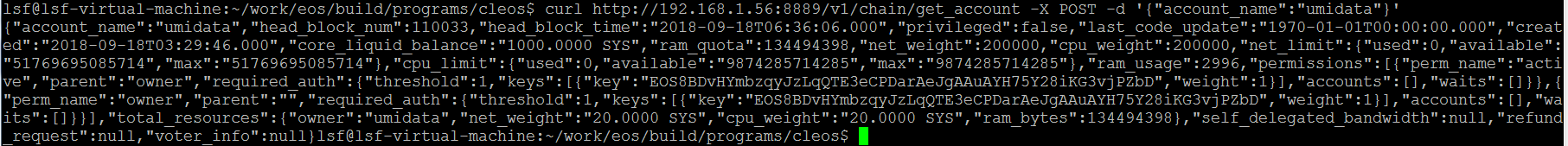
],

"compression": "none"

}'

查看umidata账户余额

curl http://192.168.1.56:8889/v1/chain/get\_account -X POST -d '{"account\_name":"umidata"}'



{"transaction\_id":"54f3410c5e1998fe48aa6bf40a7a7152ff6b78e07b89713b9df552696143076b","processed":{"id":"54f3410c5e1998fe48aa6bf40a7a7152ff6b78e07b89713b9df552696143076b","receipt":{"status":"executed","cpu\_usage\_us":8349,"net\_usage\_words":20},"elapsed":8349,"net\_usage":160,"scheduled":false,"action\_traces":[{"receipt":{"receiver":"eosio.token","act\_digest":"b5853e8140370cf62128f9d41e0b4f194b562f104d5658c7a7b8872c063f0af7","global\_sequence":109186,"recv\_sequence":10,"auth\_sequence":[["eosio",109183]],"code\_sequence":1,"abi\_sequence":1},"act":{"account":"eosio.token","name":"transfer","authorization":[{"actor":"eosio","permission":"active"}],"data":{"from":"eosio","to":"umidata","quantity":"1000.0000 SYS","memo":"Please reply after receiving!"},"hex\_data":"0000000000ea3055000000c064939cd4809698000000000004535953000000001d506c65617365207265706c7920616674657220726563656976696e6721"},"elapsed":6037,"cpu\_usage":0,"console":"","total\_cpu\_usage":0,"trx\_id":"54f3410c5e1998fe48aa6bf40a7a7152ff6b78e07b89713b9df552696143076b","inline\_traces":[{"receipt":{"receiver":"eosio","act\_digest":"b5853e8140370cf62128f9d41e0b4f194b562f104d5658c7a7b8872c063f0af7","global\_sequence":109187,"recv\_sequence":109170,"auth\_sequence":[["eosio",109184]],"code\_sequence":1,"abi\_sequence":1},"act":{"account":"eosio.token","name":"transfer","authorization":[{"actor":"eosio","permission":"active"}],"data":{"from":"eosio","to":"umidata","quantity":"1000.0000 SYS","memo":"Please reply after receiving!"},"hex\_data":"0000000000ea3055000000c064939cd4809698000000000004535953000000001d506c65617365207265706c7920616674657220726563656976696e6721"},"elapsed":682,"cpu\_usage":0,"console":"","total\_cpu\_usage":0,"trx\_id":"54f3410c5e1998fe48aa6bf40a7a7152ff6b78e07b89713b9df552696143076b","inline\_traces":[]},{"receipt":{"receiver":"umidata","act\_digest":"b5853e8140370cf62128f9d41e0b4f194b562f104d5658c7a7b8872c063f0af7","global\_sequence":109188,"recv\_sequence":1,"auth\_sequence":[["eosio",109185]],"code\_sequence":1,"abi\_sequence":1},"act":{"account":"eosio.token","name":"transfer","authorization":[{"actor":"eosio","permission":"active"}],"data":{"from":"eosio","to":"umidata","quantity":"1000.0000 SYS","memo":"Please reply after receiving!"},"hex\_data":"0000000000ea3055000000c064939cd4809698000000000004535953000000001d506c65617365207265706c7920616674657220726563656976696e6721"},"elapsed":130,"cpu\_usage":0,"console":"","total\_cpu\_usage":0,"trx\_id":"54f3410c5e1998fe48aa6bf40a7a7152ff6b78e07b89713b9df552696143076b","inline\_traces":[]}]}],"except":null}}