**主要公链的钱包RPC接口**

1. **BTC**
   1. **查钱包余额**，URL地址：http://127.0.0.1:8332/
      1. 请求头（有）

{

Username="user",

Passsword="pwd"

}

* + 1. 请求格式（完整的JSON格式）

{

"jsonrpc": "2.0",

"id":"1",

"method": "getbalance",

"params": ["\*", 1, true]

}

* + 1. 返回格式

{

"result": 0.00000001,

"error": null,

"id": "1"

}

* 1. **解锁钱包，**URL：http://127.0.0.1:8332/
     1. 请求头

{

Username="user",

Passsword="pwd"

}

* + 1. 请求格式

{

"jsonrpc": "2.0",

"id":"1",

"method": "walletpassphrase",

"params": ["my pass phrase", 60]

}

* + 1. 返回格式

{

"result": null,

"error": null,

"id": "1"

}

* 1. **从钱包转账**，URL：http://127.0.0.1:8332/
     1. 请求头

{

Username="user",

Passsword="pwd"

}

* + 1. 请求格式

{

"jsonrpc": "2.0",

"id":"1",

"method": "sendtoaddress",

"params": ["mmXgiR6KAhZCyQ8ndr2BCfEq1wNG2UnyG6", 0.1]

}

* + 1. 返回格式

{

"result":"a2a2eb18cb051b5fe896a32b1cb20b179d981554b6bd7c5a956e56a0eecb04f0",

"error": null,

"id": "1"

}

1. **OMNI-USDT**
   1. **查钱包余额，**URL：http://127.0.0.1:8339/
      1. 请求头

{

Username="user",

Passsword="pwd"

}

* + 1. 请求格式

{

"jsonrpc": "2.0",

"id":"1",

"method": "omni\_getbalance",

"params": ["mqpb7ucc41Z9iap7VJsdcKzLji5U2Gd6Fd", 31]

}

* + 1. 返回格式

{

"result": { "balance": "10.00000000", "reserved": "0.00000000", "frozen": "0.00000000" },

"error": null,

"id": "1"

}

* 1. **解锁钱包，URL：**http://127.0.0.1:8339/
     1. 请求头

{

Username="user",

Passsword="pwd"

}

* + 1. 请求格式

{

"jsonrpc": "2.0",

"id":"1",

"method": "walletpassphrase",

"params": ["my pass phrase", 60]

}

* + 1. 返回格式

{

"result": null,

"error": null,

"id": "1"

}

1. **从单个地址转账，URL：**http://127.0.0.1:8339/
   * 1. 请求头

{

Username="user",

Passsword="pwd"

}

* + 1. 请求格式

{

"jsonrpc": "2.0",

"id":"1",

"method": "omni\_funded\_send",

"params":["1DFa5bT6KMEr6ta29QJouainsjaNBsJQhH","15cWrfuvMxyxGst2FisrQcvcpF48x6sXoH",31, "100.0", "15Jhzz4omEXEyFKbdcccJwuVPea5LqsKM1"]

}

* + 1. 返回格式

{

"result": "62577d10a02249db698509cf3d4b060268771b085e3d3fc1e27aeec1cc460d31",

"error": null,

"id": "1"

}

三、ETH

1. 查询单个地址的ETH余额，URL：[http://127.0.0.1:8545/](http://127.0.0.1:8332/)
   * 1. 请求头（无）

{

}

* + 1. 请求格式

{

"jsonrpc":"2.0",

"id":1,

"method": "eth\_getBalance",

"params": ["0xBA2B6ed7815CaC17748843a18EAd8BfF8119A367","latest"]

}

* + 1. 返回格式

{

"jsonrpc": "2.0",

"id": 1,

"result": "0x16345785d8a0000"

}

1. 转账ETH（A->B），URL：[http://127.0.0.1:8545/](http://127.0.0.1:8332/)
   * 1. 请求头（无）

{

}

* + 1. 请求格式

{

"jsonrpc":"2.0",

"id":1,

"method":"eth\_sendTransaction",

"params":[{"from":"0xb6cd75af6594f46374378cf3a7d9cbfc06485994",

"to":"0x60be0313411e34e8e2ec7094b27a291d827d9b9c",

"gasPrice":"0x3b9aca00",

"gas":"0x045",

"value":"0x01" },"pwd"]

}

* + 1. 返回格式

{

"id":1,

"jsonrpc": "2.0",

"result":"0xe670ec64341771606e55d6b4ca35a1a6b75ee3d5145a99d05921026d1527331"

}

1. 查询单个地址的USDT\_ERC20 余额，URL：[http://127.0.0.1:8545/](http://127.0.0.1:8332/)
   * 1. 请求头（无）

{

}

* + 1. 请求格式

{

"jsonrpc":"2.0",

"id":1,

"method": "eth\_call",

"params":[{"to":"0xdac17f958d2ee523a2206206994597c13d831ec7","data":"0x70a08231000000000000000000000000ba2b6ed7815cac17748843a18ead8bff8119a367"},"latest"]

}

* + 1. 返回格式

{

"jsonrpc":"2.0",

"id":1,

"result":"0x0000000000000000000000000000000000000000000000008ac7230489e80000"

}

1. 转账USDT\_ERC20，URL：[http://127.0.0.1:8545/](http://127.0.0.1:8332/)
   * 1. 请求头(无)

{

}

* + 1. 请求格式

{

"jsonrpc":"2.0",

"id":1,"method":"personal\_sendTransaction",

"params":[{"from":"0xba2b6ed7815cac17748843a18ead8bff8119a367","to":"0xdac17f958d2ee523a2206206994597c13d831ec7","value":"0x0","data":"0xa9059cbb000000000000000000000000f67da09bc9671249734f967f55b0d4851a53188a0000000000000000000000000000000000000000000000000de0b6b3a7640000" },

"passwd"]

}

* + 1. 返回格式

{

"id":1,

"jsonrpc":"2.0",

"result":"0x8474441674cdd47b35b875fd1a530b800b51a5264b9975fb21129eeb8c18582f"

}

五、FIL

1. 查询单个地址FIL余额，URL：http://192.168.1.174:5001/rpc/v0
   * 1. 请求头

{

Authorization="Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJBbGxvdyI6WyJyZWFkIiwid3JpdGUiLCJzaWduIiwiYWRtaW4iXX0.fzpHtg9VFX1K8s5vbyrHpGoWYEcJESybHziADoLw5Wc"

}

* + 1. 请求格式

{

"jsonrpc":"2.0",

"method": "Filecoin.WalletBalance",

"params": ["f13sb4pa34qzf35txnan4fqjfkwwqgldz6ekh5trq"],

"id": 3

}

* + 1. 返回格式

{

"jsonrpc":"2.0",

"result":"710818007035639951586854",

"id":3

}

1. 转账FIL（A->B），URL：http://192.168.1.174:5001/rpc/v0
   * 1. 请求头

{

Authorization="Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJBbGxvdyI6WyJyZWFkIiwid3JpdGUiLCJzaWduIiwiYWRtaW4iXX0.fzpHtg9VFX1K8s5vbyrHpGoWYEcJESybHziADoLw5Wc"

}

* + 1. 请求格式

{

"jsonrpc": "2.0",

"method": "Filecoin.MpoolPushMessage",

"params": [{"From":"f1zwxnwo2sjpbtw7exsk2uihbk7jg2jbg2ohmozua","To":"f1sewpr36nrb4ji3cpjq34qz7wvpldzkcv7lcizbi","Value":"100000000000000000"}],

 "id": 3

}

* + 1. 返回格式

{

"Message": {

"Version": 42,

"To": "f01234",

"From": "f01234",

"Nonce": 42,

"Value": "0",

"GasLimit": 9,

"GasFeeCap": "0",

"GasPremium": "0",

"Method": 1,

"Params": "Ynl0ZSBhcnJheQ==",

"CID": {

"/": "bafy2bzacebbpdegvr3i4cosewthysg5xkxpqfn2wfcz6mv2hmoktwbdxkax4s"

}

},

"Signature": {

"Type": 2,

"Data": "Ynl0ZSBhcnJheQ=="

},

"CID": {

"/": "bafy2bzacebbpdegvr3i4cosewthysg5xkxpqfn2wfcz6mv2hmoktwbdxkax4s"

}

}

六、BHP

* 1. **查钱包余额**，URL地址：**http://127.0.0.1:20557**
     1. 请求头（否）

{

}

* + 1. 请求格式（完整的JSON格式）

{

   "jsonrpc": "2.0",

   "method": "getaccountstate",

   "params": ["AbkbgybouBAEpkRqfbXAoVXdmsTBRkvCCU"],

  "id": 1

}

* + 1. 返回格式

{

    "jsonrpc": "2.0",

    "id": 1,

    "result": {

        "version": 0,

        "script\_hash": "0x166183cb06300e48257b91de8f29884e7dc724db",

        "frozen": false,

        "votes": [],

        "balances": [

            {

                "asset": "0x13f76fabfe19f3ec7fd54d63179a156bafc44afc53a7f07a7a15f6724c0aa854",

                "value": "13612224.49651343"

            }

        ]

    }

}

* 1. **转账(从钱包转账)，URL地址: http://127.0.0.1:20557**
     1. 请求头（无）

{

}

* + 1. 请求格式（完整的JSON格式）

{

  "jsonrpc": "2.0",

"method": "sendtoaddress",

"params": ["0x13f76fabfe19f3ec7fd54d63179a156bafc44afc53a7f07a7a15f6724c0aa854","ATe3wDE9MPQXZuvhgPREdQNYkiCBF7JShY",0.0001],

  "id": 1

}

* + 1. 返回格式

{

"jsonrpc":"2.0",

"id":1,

"result":{"txid":"0x60170ad03627ce45c7dd56ececbf33b26eab0845aa8b2cbbeecaefc5771b9eb1",

"size": 262,

"type":"ContractTransaction",

"version": 0,

"attributes": [],

"vin":[{"txid":"0xd2188c1bd454ac883d79826e5c677deedb91cc61ec6d819df48ff4a963873adb", "vout":1}],

"vout":[{"n":0,"asset":"0x13f76fabfe19f3ec7fd54d63179a156bafc44afc53a7f07a7a15f6724c0aa854","value":"1","address":"AK4if54jXjSiJBs6jkfZjxAastauJtjjse"},{"n":1,"asset":"0x602c79718b16e442de58778e148d0b1084e3b2dffd5de6b7b16cee7969282de7","value":"17.4798197","address": "AWg3L6W68bFfSS13Tf4rt8CRdG2ktaAjGb" } ],

"sys\_fee":"0",

"net\_fee":"0",

"scripts":[{"invocation":"40a8d40e1652d7ad0c7bb59ef8217237037824af54ee5e46f2fd096c44dd46ef27fa7255010e2a8a2166af8a904e13b96bd3ac82e791633685824c35e7f2731e79","verification":"2102883118351f8f47107c83ab634dc7e4ffe29d274e7d3dcf70159c8935ff769bebac" } ] }

}