**链接口**

**用于获取区块信息 11天**

### 1. chain\_getblock

#### 作用：用于获取区块信息

> 参数：

1. height usage: 当前区块高度

#### 返回值：区块明细信息

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getBlock","params":[1], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": {

"Hash": "0xcfa283a5b591da5a15971bf62fffae87e649bcf749776f4c83ffe50e65920f8e",

"ChainId": "00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"Version": 1,

"PreviousHash": "0x1717b4b9f740cebeb2659886122a29c0876ed906dd05370319fee4ecf219b1e9",

"GasLimit": 180000000,

"GasUsed": 0,

"Height": 1,

"Timestamp": 1559272779,

"StateRoot": "0xd7bd5b3af4f2f1fb3d484743052c2e911f9fb7b04131660912244347508f16a9",

"TxRoot": "0x",

"LeaderAddress": "0x0374bf9c8ea268b5548686685dda4a74fc95903ca7c440e5b187a718b595c1f374",

"MinorAddresses": [

"0x0374bf9c8ea268b5548686685dda4a74fc95903ca7c440e5b187a718b595c1f374",

"0x02f11cfd138eaaaba5f8c0a7f1f2791bdabd0b0c404734dceac820aa9b683bfb1a",

"0x03949aad279a32536ce20f0957c9c6ba592532ea70e5f174332bed4c94382354e3",

"0x0263bc5628fa7033727d14b5d6714ac7d6a5d34bc5db994a896f54499f12db9b0b"

],

"Txs": [

]

}

}

````

### 2. chain\_getMaxHeight

#### 作用：用于获取当前最高区块

> 参数：

1. 无

#### 返回值：当前最高区块高度数值

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getMaxHeight","params":[], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":193005}

````

### 3. chain\_getBalance

#### 作用：查询地址余额

> 参数：

1. 待查询地址

#### 返回值：地址中的账号余额

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getBalance","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":9987999999999984000000}

````

### 4. chain\_getNonce

#### 作用：查询地址在链上的nonce

> 参数：

1. 待查询地址

#### 返回值：链上nonce

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getNonce","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":0}

````

### 5. chain\_getNonce

#### 作用：查询地址的名誉值

> 参数：

1. 待查询地址

#### 返回值：地址对应的名誉值

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getReputation","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":1}

````

### 6. chain\_getTransactionByBlockHeightAndIndex

#### 作用：获取区块中特定序列的交易

> 参数：

1. 区块高度

2. 交易序列

#### 返回值：交易信息

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getTransactionByBlockHeightAndIndex","params":[10000,1], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": {

"Hash": "0xfa5c34114ff459b4c97e7cd268c507c0ccfcfc89d3ccdcf71e96402f9899d040",

"From": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"Version": 1,

"Nonce": 15632,

"Type": 0,

"To": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"ChainId": "00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"Amount": "0x111",

"GasPrice": "0x110",

"GasLimit": "0x30000",

"Timestamp": 1559322808,

"Data": null,

"Sig": "0x20f25b86c4bf73aa4fa0bcb01e2f5731de3a3917c8861d1ce0574a8d8331aedcf001e678000f6afc95d35a53ef623a2055fce687f85c2fd752dc455ab6db802b1f"

}

}

````

### 7. chain\_getAliasByAddress

#### 作用：根据地址获取地址对应的别名

> 参数：

1. 待查询地址

#### 返回值：地址别名

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getAliasByAddress","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":"tom"}

````

### 8. chain\_getAddressByAlias

#### 作用：根据别名获取别名对应的地址

> 参数：

1. 待查询地别名

#### 返回值：别名对应的地址

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getAliasByAddress","params":["tom"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":"0x8a8e541ddd1272d53729164c70197221a3c27486"}

````

### 9. chain\_getByteCode

#### 作用：根据地址获取bytecode

> 参数：

1. 地址

#### 返回值：bytecode

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getByteCode","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":"0x00"}

````

### 10. chain\_getReceipt

#### 作用：根据txhash获取receipt信息

> 参数：

1. txhash

#### 返回值：receipt

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getReceipt","params":["0x7d9dd32ca192e765ff2abd7c5f8931cc3f77f8f47d2d52170c7804c2ca2c5dd9"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":""}

````

### 11. chain\_getLogs

#### 作用：根据txhash获取交易log信息

> 参数：

1. txhash

#### 返回值：[]log

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getLogs","params":["0x7d9dd32ca192e765ff2abd7c5f8931cc3f77f8f47d2d52170c7804c2ca2c5dd9"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":""}

````

# **`JSON-RPC`接口说明文档**

**## 区块**

**用于处理区块链偏上层逻辑 4天**

### 1. blockMgr\_sendRawTransaction

#### 作用：获取交易池中的交易信息.

> 参数：

1. 待查询地址

#### 返回值：交易池中所有交易

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"blockmgr\_sendRawTransaction","params":["0x40a287b6d30b05313131317a4120dd8c23c40910d038fa43b2f8932d3681cbe5ee3079b6e9de0bea6e8e6b2a867a561aa26e1cd6b62aa0422a043186b593b784bf80845c3fd5a7fbfe62e61d8564"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":1,"result":"0xf30e858667fa63bc57ae395c3f57ede9bb3ad4969d12f4bce51d900fb5931538"}

````

### 2. blockMgr\_GetPoolTransactions

#### 作用：获取交易池中的交易信息.

> 参数：

1. 待查询地址

#### 返回值：交易池中所有交易

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"blockmgr\_getPoolTransactions","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

````

### 3. blockMgr\_GetTransactionCount

#### 作用：获取交易池中的交易信息.

> 参数：

1. 待查询地址

#### 返回值：交易池中所有交易

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"blockmgr\_getTransactionCount","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

````

### 4. blockMgr\_GetTxInPool

#### 作用：查询交易是否在交易池，如果在，返回交易

> 参数：

1. 发起转账的地址

#### 返回值：交易完整信息

#### 示例代码

##### 请求：

```shell

curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"blockmgr\_getTxInPool","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5"],"id":1}' http://127.0.0.1:15645

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": {

"Hash": "0xfa5c34114ff459b4c97e7cd268c507c0ccfcfc89d3ccdcf71e96402f9899d040",

"From": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"Version": 1,

"Nonce": 15632,

"Type": 0,

"To": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"ChainId": "00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"Amount": "0x111",

"GasPrice": "0x110",

"GasLimit": "0x30000",

"Timestamp": 1559322808,

"Data": null,

"Sig": "0x20f25b86c4bf73aa4fa0bcb01e2f5731de3a3917c8861d1ce0574a8d8331aedcf001e678000f6afc95d35a53ef623a2055fce687f85c2fd752dc455ab6db802b1f"

}

}

````

**p2p网络接口 设置查询网络状态 2天**

### 1. p2p\_getPeers

#### 作用：获取当前连接的节点

> 参数：

#### 返回值：交易字节信息

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"trace\_getRawTransaction","params":["0x00001c9b8c8fdb1f53faf02321f76253704123e2b56cce065852bab93e526ae2"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":[{},{},{},{}]}

````

### 2. p2p\_addPeers（未实现）

#### 作用：添加节点

> 参数：

#### 返回值：

#### 示例代码

##### 请求：

```shell

```

##### 响应：

```json

````

### 3. p2p\_removePeers（未实现）

#### 作用：移除节点

> 参数：

#### 返回值：

#### 示例代码

##### 请求：

```shell

```

##### 响应：

```json

````

**日志rpc接口**

**设置日志级别 1天**

### 1. log\_setLevel

#### 作用：设置日志级别

> 参数：

1. 日志级别（&#34;debug&#34;,&#34;0&#34;）

#### 返回值：无

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"log\_setLevel","params":["trace"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

### 2. log\_setVmodule

#### 作用：分模块设置级别

> 参数：

1. 模块日志级别(txpool=5)

#### 返回值：无

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"log\_setVmodule","params":["txpool=5"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

**记录接口**

**查询交易地址等信息（需要开启记录模块） 3天**

### 1. trace\_getRawTransaction

#### 作用：根据交易hash查询交易字节

> 参数：

1. 交易hash

#### 返回值：交易字节信息

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"trace\_getRawTransaction","params":["0x00001c9b8c8fdb1f53faf02321f76253704123e2b56cce065852bab93e526ae2"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": "0x02a7ae20007923a30bbfbcb998a6534d56b313e68c8e0c594a0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000002011102011003030000bc9889d00b004120eba14c77eab7a154833ff14832d8769cfc0b30db288445d6a83ef2fe337aa09042f8174a593543c4acabe7fadf1ad5fceea9c835682cb9dbea3f1d8fec181fb9"

}

````

### 2. trace\_getTransaction

#### 作用：根据交易hash查询交易详细信息

> 参数：

1. 交易hash

#### 返回值：交易详细信息

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"trace\_getTransaction","params":["0x00001c9b8c8fdb1f53faf02321f76253704123e2b56cce065852bab93e526ae2"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": {

"Hash": "0x00001c9b8c8fdb1f53faf02321f76253704123e2b56cce065852bab93e526ae2",

"From": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"Version": 1,

"Nonce": 530215,

"Type": 0,

"To": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"ChainId": "00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"Amount": "0x111",

"GasPrice": "0x110",

"GasLimit": "0x30000",

"Timestamp": 1560356382,

"Data": null,

"Sig": "0x20eba14c77eab7a154833ff14832d8769cfc0b30db288445d6a83ef2fe337aa09042f8174a593543c4acabe7fadf1ad5fceea9c835682cb9dbea3f1d8fec181fb9"

}

}

````

### 3. trace\_decodeTrasnaction

#### 作用：把交易字节信息反解析成交易详情

> 参数：

1. 交易字节信息

#### 返回值：交易详情

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"trace\_decodeTrasnaction","params":["0x02a7ae20007923a30bbfbcb998a6534d56b313e68c8e0c594a0000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000002011102011003030000bc9889d00b004120eba14c77eab7a154833ff14832d8769cfc0b30db288445d6a83ef2fe337aa09042f8174a593543c4acabe7fadf1ad5fceea9c835682cb9dbea3f1d8fec181fb9"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": {

"Hash": "0x00001c9b8c8fdb1f53faf02321f76253704123e2b56cce065852bab93e526ae2",

"From": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"Version": 1,

"Nonce": 530215,

"Type": 0,

"To": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"ChainId": "00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"Amount": "0x111",

"GasPrice": "0x110",

"GasLimit": "0x30000",

"Timestamp": 1560356382,

"Data": null,

"Sig": "0x20eba14c77eab7a154833ff14832d8769cfc0b30db288445d6a83ef2fe337aa09042f8174a593543c4acabe7fadf1ad5fceea9c835682cb9dbea3f1d8fec181fb9"

}

}

````

### 4. trace\_getSendTransactionByAddr

#### 作用：根据地址查询该交易发出的交易，支持分页

> 参数：

1. 交易地址

2. 分页号（从1开始）

3. 页大小

#### 返回值：交易列表

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"trace\_getSendTransactionByAddr","params":["0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",1,10], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": [

{

"Hash": "0x00001c9b8c8fdb1f53faf02321f76253704123e2b56cce065852bab93e526ae2",

"From": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"Version": 1,

"Nonce": 530215,

"Type": 0,

"To": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"ChainId": "00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"Amount": "0x111",

"GasPrice": "0x110",

"GasLimit": "0x30000",

"Timestamp": 1560356382,

"Data": null,

"Sig": "0x20eba14c77eab7a154833ff14832d8769cfc0b30db288445d6a83ef2fe337aa09042f8174a593543c4acabe7fadf1ad5fceea9c835682cb9dbea3f1d8fec181fb9"

}

]

}

````

### 5. trace\_getReceiveTransactionByAd

#### 作用：根据地址查询该交易接受的交易，支持分页

> 参数：

1. 交易地址

2. 分页号（从1开始）

3. 页大小

#### 返回值：交易列表

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"trace\_getReceiveTransactionByAddr","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5",1,10], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{

"jsonrpc": "2.0",

"id": 3,

"result": [

{

"Hash": "0x3d3e7da272a5128bec6fd7ad10d8557b08e0fb9de4af6753641e29740eb7054e",

"From": "0x7923a30bbfbcb998a6534d56b313e68c8e0c594a",

"Version": 1,

"Nonce": 553770,

"Type": 0,

"To": "0x3ebcbe7cb440dd8c52940a2963472380afbb56c5",

"ChainId": "00000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000000",

"Amount": "0xde0b6b3a7640000",

"GasPrice": "0x12c",

"GasLimit": "0x7530",

"Timestamp": 1560403673,

"Data": null,

"Sig": "0x1f073cd3f2621abe15ef949b27c7d0a16d69a64aaa9e95973b9c94de2d7b8f4b103928988478d2f248ae7a9dc6a156d12d300adc5e9059decc037a67e94fe0c3a2"

}

]

}

````

### 6. trace\_rebuild

#### 作用：重建trace中的区块记录

> 参数：

1. 起始块（包含）

2. 终止块（不包含）

#### 返回值：

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"trace\_rebuild","params":[1,10], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

**账号rpc接口**

**地址管理及发起简单交易 6天**

### 1. account\_listAddress

#### 作用：列出所有本地地址

> 参数：

#### 返回值：地址数组

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_listAddress","params":[], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":["0x3296d3336895b5baaa0eca3df911741bd0681c3f","0x3ebcbe7cb440dd8c52940a2963472380afbb56c5"]}

````

### 2. account\_createAccount

#### 作用：创建本地账号

> 参数：

#### 返回值：新账号地址信息

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_createAccount","params":[], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":"0x2944c15c466fad03ec1282bab579dec5a0cf0fa3"}

````

### 3. account\_createWallet

#### 作用：创建本地钱包

> 参数：

1. 钱包密码

#### 返回值：无

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_createWallet","params":["123"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

### 4. account\_lockWallet

#### 作用：锁定钱包（无法发起需要私钥的相关工作）

> 参数：

#### 返回值：无

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_lockWallet","params":[], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

### 5. account\_lockWallet

#### 作用：解锁钱包

> 参数：

1. 钱包密码

#### 返回值：无

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_openWallet","params":["123"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

### 6. account\_openWallet

#### 作用：打开钱包

> 参数：

1. 钱包密码

#### 返回值：无

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_openWallet","params":["123"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

### 7. account\_closeWallet

#### 作用：关闭钱包

> 参数：

#### 返回值：无

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_closeWallet","params":[], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":null}

````

### 8. account\_transfer

#### 作用：转账

> 参数：

1. 发起转账的地址

2. 接受者的地址

3. 金额

4. gas价格

5. gas上限

6. 备注

#### 返回值：交易地址

#### 示例代码

##### 请求：

```shell

curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_transfer","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x111","0x110","0x30000",""],"id":1}' http://127.0.0.1:15645

```

##### 响应：

```json

{"jsonrpc":"2.0","id":1,"result":"0x3a3b59f90a21c2fd1b690aa3a2bc06dc2d40eb5bdc26fdd7ecb7e1105af2638e"}

````

### 9. account\_setAlias

#### 作用：设置别名

> 参数：

1. 带设置别名的地址

2. 别名

3. gas价格

4. gas上限

#### 返回值：交易地址

#### 示例代码

##### 请求：

```shell

curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_setAlias","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","AAAAA","0x110","0x30000"],"id":1}' http://127.0.0.1:15645

```

##### 响应：

```json

{"jsonrpc":"2.0","id":1,"result":"0x5adb248f2943e12fb91c140bd3d0df6237712061e9abae97345b0869c3daa749"}

````

### 10. account\_VoteCredit

#### 作用：转账

> 参数：

1. 发起转账的地址

2. 接受者的地址

3. 金额

4. gas价格

5. gas上线

6. 备注

#### 返回值：交易地址

#### 示例代码

##### 请求：

```shell

curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_voteCredit","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x111","0x110","0x30000",""],"id":1}' http://127.0.0.1:15645

```

##### 响应：

```json

{"jsonrpc":"2.0","id":1,"result":"0x3a3b59f90a21c2fd1b690aa3a2bc06dc2d40eb5bdc26fdd7ecb7e1105af2638e"}

````

### 11. account\_CancelVoteCredit

#### 作用：转账

> 参数：

1. 发起转账的地址

2. 接受者的地址

3. 金额

4. gas价格

5. gas上线

6. 备注

#### 返回值：交易地址

#### 示例代码

##### 请求：

```shell

curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_cancelVoteCredit","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x111","0x110","0x30000",""],"id":1}' http://127.0.0.1:15645

```

##### 响应：

```json

{"jsonrpc":"2.0","id":1,"result":"0x3a3b59f90a21c2fd1b690aa3a2bc06dc2d40eb5bdc26fdd7ecb7e1105af2638e"}

````

### 12. account\_call

#### 作用：调用合约

> 参数：

1. 调用者的地址

2. 合约地址

3. 代码

4. 金额

5. gas价格

6. gas上限

#### 返回值：合约地址

#### 示例代码

##### 请求：

```shell

curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_createCode","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x6d4ce63c","0x111","0x110","0x30000"],"id":1}' http://127.0.0.1:15645

```

##### 响应：

```json

{"jsonrpc":"2.0","id":1,"result":"0x5d74aba54ace5f01a5f0057f37bfddbbe646ea6de7265b368e2e7d17d9cdeb9c"}

````

### 13. account\_createCode

#### 作用：部署合约

> 参数：

1. 部署合约的地址

2. 合约内容

3. 金额

4. gas价格

5. gas上限

#### 返回值：合约地址

#### 示例代码

##### 请求：

```shell

curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_createCode","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","","0x111","0x110","0x30000"],"id":1}' http://127.0.0.1:15645

```

##### 响应：

```json

{"jsonrpc":"2.0","id":1,"result":"0x9a8d8d5d7d00bbe0eb1b9431a13a7219008e352241b751b177bfb29e4e75b0d1"}

````

### 14. account\_dumpPrivkey

#### 作用：关闭钱包

> 参数：

1. 地址

#### 返回值：私钥

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_dumpPrivkey","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":"0x270f4b122603999d1c07aec97e972a2ddf7bd8b5bfe3543c10814e6a19f13aaf"}

````

### 15. account\_sign

#### 作用：关闭钱包

> 参数：

1. 地址

2. 消息hash

#### 返回值：私钥

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_sign","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5", "0x00001c9b8c8fdb1f53faf02321f76253704123e2b56cce065852bab93e526ae2"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":"0x1f1d16412468dd9b67b568d31839ac608bdfddf2580666db4d364eefbe285fdaed569a3c8fa1decfebbfa0ed18b636059dbbf4c2106c45fc8846909833ef2cb1de"}

````

### 16. account\_generateAddresses

#### 作用：生成其他链的地址

> 参数：

1. drep地址

#### 返回值：{BTCaddress, ethAddress, neoAddress}

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_generateAddresses","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":""}

````

### 17. account\_importKeyStore

#### 作用：导入keystore

> 参数：

1. path

2. password

#### 返回值：address list

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_importKeyStore","params":["path","123"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":["0x4082c96e38def8f3851831940485066234fe07b8"]}

````

### 18. account\_importPrivkey

#### 作用：导入私钥

> 参数：

1. privkey(compress hex)

#### 返回值：address

#### 示例代码

##### 请求：

```shell

curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"account\_importPrivkey","params":["0xe5510b32854ca52e7d7d41bb3196fd426d551951e2fd5f6b559a62889d87926c"], "id": 3}' -H "Content-Type:application/json"

```

##### 响应：

```json

{"jsonrpc":"2.0","id":3,"result":"0x748eb65493a964e568800c3c2885c63a0de9f9ae"}

````

**stake 6天**

/\*

name: getBalance

usage: 查询地址余额

params:

1. 待查询地址

return: 地址中的账号余额

example: curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getBalance","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

response:

{"jsonrpc":"2.0","id":3,"result":9987999999999984000000}

\*/

/\*

name: VoteCredit

usage: 投票

params:

1. 发起转账的地址

2. 接受者的地址

3. 金额

4. gas价格

5. gas上线

6. 备注

return: 交易地址

example: curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_voteCredit","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x111","0x110","0x30000"],"id":1}' http://127.0.0.1:15645

response:

{"jsonrpc":"2.0","id":1,"result":"0x3a3b59f90a21c2fd1b690aa3a2bc06dc2d40eb5bdc26fdd7ecb7e1105af2638e"}

\*/

取消投票

\*

name: CancelVoteCredit

usage:取消投票

params:

1. 发起转账的地址

2. 接受者的地址

3. 金额

4. gas价格

5. gas上线

6. 备注

return: 交易地址

example: curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_cancelVoteCredit","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x111","0x110","0x30000"],"id":1}' http://127.0.0.1:15645

response:

{"jsonrpc":"2.0","id":1,"result":"0x3a3b59f90a21c2fd1b690aa3a2bc06dc2d40eb5bdc26fdd7ecb7e1105af2638e"}

/\*

/\*

name: CandidateCredit

usage: 候选投票

params:

1. 发起转账的地址

2. 接受者的地址

3. 金额

4. gas价格

5. gas上线

6. 用户pubkey ip等信息

return: 交易地址

example: curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_candidateCredit","params":["0x0373654ccdb250f2cfcfe64c783a44b9ea85bc47f2f00c480d05082428d277d6d0","0x111","0x110","0x30000","{\"Pubkey\":\"0x020e233ebaed5ade5e48d7ee7a999e173df054321f4ddaebecdb61756f8a43e91c\",\"Node\":\"192.168.31.51:55555\"}"],"id":1}' http://127.0.0.1:15645

response:

{"jsonrpc":"2.0","id":1,"result":"0x3a3b59f90a21c2fd1b690aa3a2bc06dc2d40eb5bdc26fdd7ecb7e1105af2638e"}

\*/

/\*

name: CancelCandidateCredit

usage: 取消候选

params:

1. 发起转账的地址

3. 金额

4. gas价格

5. gas上线

return: 交易地址

example: curl -H "Content-Type: application/json" -X post --data '{"jsonrpc":"2.0","method":"account\_cancelCandidateCredit","params":["0x3ebcbe7cb440dd8c52940a2963472380afbb56c5","0x111","0x110","0x30000",""],"id":1}' http://127.0.0.1:15645

response:

{"jsonrpc":"2.0","id":1,"result":"0x3a3b59f90a21c2fd1b690aa3a2bc06dc2d40eb5bdc26fdd7ecb7e1105af2638e"}

\*/

/\*

name: getVoteCreditDetails

usage: 根据地址获取stake 所有细节信息

params:

1. 地址

return: bytecode

example: curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getVoteCreditDetails","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

response:

{"jsonrpc":"2.0","id":3,"result":"{\"0x300fc5a14e578be28c64627c0e7e321771c58cd4\":\"0x3641100\"}"}

\*/

/\*

name: GetCancelCreditDetails

usage: 根据地址获取stake 所有细节信息

params:

1. 地址

return: bytecode

example: curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getCancelCreditDetails","params":["0x8a8e541ddd1272d53729164c70197221a3c27486"], "id": 3}' -H "Content-Type:application/json"

response:

{"jsonrpc":"2.0","id":3,"result":"{\"0x300fc5a14e578be28c64627c0e7e321771c58cd4\":\"0x3641100\"}"}

\*/

/\*

name: GetCandidateAddrs

usage: 根据地址获取所有候选节点

params:

1. 地址

return: bytecode

example: curl http://localhost:15645 -X POST --data '{"jsonrpc":"2.0","method":"chain\_getCandidateAddrs","params":[""], "id": 3}' -H "Content-Type:application/json"

response:

{"jsonrpc":"2.0","id":3,"result":"{\"0x300fc5a14e578be28c64627c0e7e321771c58cd4\":\"0x3641100\"}"}

\*/