FISCO BCOS

- Repo Table

TokenName	Owner	TotalSupply	CurSupply
string，token代号（唯一），即币种，如bitcoin（比特币）、ether（以太币）	string，项目创始人	int，项目总token数	int，项目当前token数

- User Balance Table

User	TokenName	Balance
string，用户名	string，token代号（唯一）	int，用户token余额

- 区块链网络：单服务器四节点

- 服务器ip和port：106.54.84.172:6000

接口

统一请求接口：/trustie/fiscobcos

项目相关

1. 创建项目

   参数：

   ```
   {"request-type":"create
   repo","username":"sulenn1","total_supply":1000000
   ,"token_name":"pdl0","token_balance":
   [["qiubing1", 1000],["sulen",100]]}
   ```

   响应：

   ```
   {
       "status": 0,
       "message": "create repo successfully!"
   }
   ```

2. 查询项目基本信息

   参数：

   ```
   {"request-type":"query repo basic
   info","token_name":"pdl0"}
   ```

   响应：

```
{
    "username": "sulenn1",
    "token_name": "pdl4",
    "total_supply": 1000000,
    "cur_supply": 1100,
    "status": 0,
    "message": "query success!"
}
```

用户相关

1. 查询用户单个项目余额

   参数：

   ```
   {"request-type":"query user balance of single
   repo","username":"qiubing1", "token_name":"pdl0"}
   ```

   响应：

   ```
   {
       "username": "qiubing1",
       "token_name": "pdl3",
       "balance": 1000,
       "status": 0,
       "message": "query success!"
   }
   ```

2. 查询用户所有项目余额

   参数：

   ```
   {"request-type":"query user balance of all
   repos","username":"qiubing1"}
   ```

   响应：

```json
{
    "status": 0,
    "message": "query success!",
    "UserBalanceList": [
        {
            "username": "qiubing1",
            "token_name": "pdl6",
            "balance": 1000
        },
        {
            "username": "qiubing1",
            "token_name": "pdl0",
            "balance": 1000
        },
        {
            "username": "qiubing1",
            "token_name": "pdl1",
            "balance": 1000
        }
    ]
}
```

3. 新增用户某一项目余额

参数：

```json
{"request-type":"add user
balance","username":"qiubing1",
"token_name":"pdl4", "amount":500}
```

响应：

```json
{
    "status": 0,
    "message": "user adds amount successfully!"
}
```

4. 减少用户某一项目余额

参数：

```
{"request-type":"minus user
balance","username":"qiubing1",
"token_name":"pdl8", "amount":50}
```

响应：

```
{
    "status": 0,
    "message": "user minus amount successfully!"
}
```