

IPFS WEB 端接口文档

修改：3，传参增加套餐 id

新增：8-15

开发者：CC 之列

Web 端 BaseUrl: 47.74.255.116:8080/moacipfs/web/

1. 创建地址（创建用户）：<http://47.74.255.116:8080/moacipfs/web/createAddress>

请求参数：

WEB 创建地址表单 {

password：密码，

passwordHint：密码提示信息

}

请求示例：

{

"password": "123456",

"passwordHint": "123456"

}

响应结果：

{

"msg": "创建地址成功！",

"code": 0,

"data": {

"userId": 85,

"address": "0x1C03666DF27635B08A88A176D5566Bac1a5A0FDdb",

"userAccount": "IPFS20181112578806",

"password": "string",

"createTime": 1542012889366,

"lastLoginTime": 1542012889367,

"lastLoginIp": "192.168.1.23",

"passwordHint": "string",

"keyStore":

"{"address":"1c03666df27635b08a88a176d5566bac1a5a0fdb","crypto":{"cipher":
"aes-128-ctr","ciphertext":"bb46c5991e3f959ea5918b340a8e8aa89563ab400ec26685c
6ded1f24d7e5a9f","cipherparams":{"iv":"9e98d2b6981895ac1d80c2a30553ebf1"},"kdf
":"scrypt","kdfparams":{"dklen":32,"n":262144,"p":1,"r":8,"salt":"254e0f282b1dc3d42f
c230e52515ae7ebe529050aad4427d7efcb5da884d96f8"},"mac":"caced09bf5c9e85f74
145d32d603fe3e9d9a91b863233771a6b31592207e34ae"},"id":"daa448b5-95d2-4a1d-
a700-9b645a647312","version":3}"

}

}

返回信息

状态码：0 成功

data 返回数据包

地址 id

地址

用户账号

密码

创建时间

最后登陆时间

最后登陆 ip

密码提示信息

keystore 字符串

2. 导入地址: <http://47.74.255.116:8080/moacipfs/web/importAddress>

请求参数:

导入地址表单 {

 encryption: 加密方式 ,
 importType: 导入方式, keyStore 导入地址方式: KEYSTORE_TYPE, 助记词导入地址方式:
 MNEMONIC_TYPE, 私钥导入地址方式: PLAINTEXTPRIVATEKEY_TYPE ,
 keyStore: keyStore 字符串 ,
 mnemonic: 助记词 ,
 password: 密码 ,
 passwordHint: 密码提示信息(选传),
 plaintextPrivateKey: 明文私钥

}

导入地址分三种方式:

KEYSTORE_TYPE: keyStore 导入(传参: importType, keyStore, password, passwordHint(选传));

PLAINTEXTPRIVATEKEY_TYPE: 私钥导入(传参: importType, plaintextPrivateKey, password, passwordHint(选传));

MNEMONIC_TYPE: 助记词方式(暂未开放)

KEYSTORE_TYPE 方式请求示例:

```
{
  "importType": "KEYSTORE_TYPE",
  "keyStore":
    "{ \"address\": \"1c03666df27635b08a88a176d5566bac1a5a0fdb\", \"crypto\": { \"cipher\": \"aes-128-ctr\", \"ciphertext\": \"bb46c5991e3f959ea5918b340a8e8aa89563ab400ec26685c6ded1f24d7e5a9f\", \"cipherparams\": { \"iv\": \"9e98d2b6981895ac1d80c2a30553ebf1\" }, \"kdf\": \"scrypt\", \"kdfparams\": { \"dklen\": 32, \"n\": 262144, \"p\": 1, \"r\": 8, \"salt\": \"254e0f282b1dc3d42fc230e52515ae7ebe529050aad4427d7efcb5da884d96f8\" }, \"mac\": \"caced09bf5c9e85f74145d32d603fe3e9d9a91b863233771a6b31592207e34ae\" }, \"id\": \"daa448b5-95d2-4a1d-a700-9b645a647312\", \"version\": 3 }\",
  \"password\": \"123456\",
  \"passwordHint\": \"密码提示信息\",
}
```

响应结果:

```
{
  "msg": "导入地址成功!",
  "code": 0,
  "data": {
    "userId": 85,
```

返回信息
状态码: 0 成功
data 返回数据包
地址 id

```

    "address": "0x1C03666DF27635B08A88A176D5566Bac1a5A0FDb",
    "userAccount": "IPFS20181112578806",
    "password": "123456",
    "createTime": 1542012889366,
    "lastLoginTime": 1542012889367,
    "lastLoginIp": "192.168.1.23",
    "passwordHint": "string",
    "keyStore":
    {
      "address": "1c03666df27635b08a88a176d5566bac1a5a0fdb",
      "crypto": {
        "cipher": "aes-128-ctr",
        "ciphertext": "bb46c5991e3f959ea5918b340a8e8aa89563ab400ec26685c6ded1f24d7e5a9f",
        "cipherparams": {
          "iv": "9e98d2b6981895ac1d80c2a30553ebf1",
          "kdf": "scrypt",
          "kdfparams": {
            "dklen": 32,
            "n": 262144,
            "p": 1,
            "r": 8,
            "salt": "254e0f282b1dc3d42fc230e52515ae7ebe529050aad4427d7efcb5da884d96f8",
            "mac": "caced09bf5c9e85f74145d32d603fe3e9d9a91b863233771a6b31592207e34ae",
            "id": "daa448b5-95d2-4a1d-a700-9b645a647312",
            "version": 3
          }
        }
      }
    }
  }
}

```

地址
用户账号
密码
创建时间
最后登陆时间
最后登陆 ip
密码提示信息

keystore 字符串

3. 存储文件: <http://47.74.255.116:8080/moacipfs/web/addFile>

先请求 go 服务器上传文件得到 GO 文件路径, 再请求此接口

请求参数:

```

存储文件 model {
  address: 用户地址 ,
  encrypt: 文件是否加密 (0: 不加密, 1: 加密) ,
  fileName: 文件名 ,
  filePath: GO 文件路径 ,
  fileRealSize: 文件大小 ,
  remark: 文件备注信息 ,
  storagePackageId: 套餐 id ,
}

```

请求示例:

```

{
  "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",
  "encrypt": 0,
  "fileName": "gitCMD.png",
  "filePath": "/file/upload/20181106/717930000gitCMD.png",
  "fileRealSize": "19999",
  "remark": "文件备注"
}

```

响应结果:

```

{
  "msg": "存储文件成功!",
  "code": 0,
}

```

返回信息
状态码: 0 成功

4. 查看文件: <http://47.74.255.116:8080/moacipfs/web/queryFile>

请求参数:

```
存储文件 model {  
    address: 用户地址,  
    hash: 文件 hash  
}
```

请求示例:

```
{  
    "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",  
    "hash": "QmQH4tNQs4XkDnBgZqN6Vw2qaPirNTHkotGL3FkpZsFxvg"  
}
```

响应结果:

```
{  
    "msg": "存储文件成功!",  
    "code": 0,  
    "data": "http://127.0.0.1:9090/file/look/20181106/100505315.png"  
}
```

返回信息
状态码: 0 成功

5. 删除文件: <http://47.74.255.116:8080/moacipfs/web/deleteFile>

请求参数:

```
存储文件 model {  
    address: 用户地址,  
    hash: 文件 hash  
}
```

请求示例:

```
{  
    "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",  
    "hash": "QmQH4tNQs4XkDnBgZqN6Vw2qaPirNTHkotGL3FkpZsFxvg"  
}
```

响应结果:

```
{  
    "msg": "删除文件成功!",  
    "code": 0,  
}
```

返回信息
状态码: 0 成功

6. 查看文件列表: <http://47.74.255.116:8080/moacipfs/web/queryFileList>

请求参数:

```
查询文件列表 {  
    fileName (string): 文件名(选传, 条件查询),  
    hash (string): 文件 hash(选传, 条件查询),  
    limit (integer): 每页条数(选传, 默认 10),  
    page (integer): 页码,  
    userId (integer): 用户 id
```

```
}
```

请求示例:

```
{
  "limit": 10,
  "page": 1,
  "userId": 86
}
```

响应结果:

```
{
  "msg": "success",
  "code": 0,
  "userFileList": {
    "totalCount": 2,
    "pageSize": 10,
    "totalPage": 1,
    "currPage": 1,
    "list": [
      {
        "fileId": 86,
        "userId": 86,
        "hash": "QmV69FKBH6XZttfCk1r4RucWfgpJT5WeZwY33xzVCmJhVP",
        "createTime": 1542025659251,
        "fileName": "11.png",
        "fileSize": "423.46KB",
        "fileRealSize": 433623,
        "subchainAddress": "0x5Fc8aE6BB3CfBb91d0617A58Bb115f991f245020",
        "remark": "",
        "deleteType": 0,
        "encrypt": 0
      },
      {
        "fileId": 84,
        "userId": 86,
        "hash": "QmUBDgqT83ytnrZoQUdHuR2TgzWeRugqFF94VwGGHfk2CN",
        "createTime": 1542025460853,
        "fileName": "1 球赔率.png",
        "fileSize": "120.57KB",
        "fileRealSize": 123468,
        "subchainAddress": "0x5Fc8aE6BB3CfBb91d0617A58Bb115f991f245020",
        "remark": "123",
        "deleteType": 0,
        "encrypt": 0
      }
    ]
  }
}
```

响应信息	
响应码 0 成功	
响应数据包	
总记录数	
一页显示条数	
总页数	
当前页数	
数据集合	
文件 id	"fileId": 86,
用户 id	"userId": 86,
文件 hash	"hash": "QmV69FKBH6XZttfCk1r4RucWfgpJT5WeZwY33xzVCmJhVP",
文件上传时间	"createTime": 1542025659251,
文件名	"fileName": "11.png",
文件格式化大小	"fileSize": "423.46KB",
文件大小	"fileRealSize": 433623,
存储子链合约地址	"subchainAddress": "0x5Fc8aE6BB3CfBb91d0617A58Bb115f991f245020",
文件备注	"remark": "",
逻辑删除标志(0:未删除,1:已删除)	"deleteType": 0,
文件是否加密(0:不加密,1:加密)	"encrypt": 0

```
}
]
}
}
```

7. 查看文件操作日志列表: <http://47.74.255.116:8080/moacipfs/web/queryFileLogList>

请求参数:

查询文件列表 {

limit (integer): 每页条数(选传, 默认 10),

page (integer): 页码,

userId (integer): 用户 id

}

请求示例:

```
{
  "limit": 10,
  "page": 1,
  "userId": 86
}
```

响应结果:

```
{
  "msg": "success",
  "code": 0,
  "page": {
    "totalCount": 6,
    "pageSize": 10,
    "totalPage": 1,
    "currPage": 1,
    "list": [
      {
        "logId": 77,
        "userId": 86,
        "userAddress": "0xbCB684c54a474eCB4231dDC426bB4340956C33a",
        "fileHash": "Qmd1vPmLjveN5hm7B7n2WJ3AtYkj92wMTdFrXYmhfhfNvjc",
        "operationType": "删除文件",
        "operationTime": 1542025733203,
        "fileRemark": ""
      },
      {
        "logId": 76,
        "userId": 86,
        "userAddress": "0xbCB684c54a474eCB4231dDC426bB4340956C33a",
```

响应信息

响应码 0 成功

响应数据包

总记录数

一页显示条数

总页数

当前页数

数据集

文件日志 id

用户 id

用户地址

文件 hash

操作类型

操作时间

文件备注信息

```

        "fileHash": "QmV69FKBH6XZttfCk1r4RucWfgpJT5WeZwY33xzVCmJhVP",
        "operationType": "删除文件",
        "operationTime": 1542025691192,
        "fileRemark": ""
    }
}
]
}
}

```

8. 查看首页数: <http://localhost:8080/moacipfs/web/queryHomeData>

请求参数: 无

响应结果:

```

{
  "msg": "查询首页数据成功!",
  "code": 0,
  "data": {
    "totalMiners": "1000",           总结点数
    "subChainBlockHeight": "19078", 子链块高
    "refreshTime": "30s",           刷新速度
    "fstTotalMarket": "2000000000",  fst 总发行量
    "totalUseStorageSpace": "279740089",  总已使用存储量
    "totalStorageSpace": "1000000000000",  总存储量
    "mainChainBlockHeight": "1420152"      主链高度
  }
}

```

9. 用户购买套餐: <http://localhost:8080/moacipfs/web/buyPackage>

请求参数:

用户套餐通用参数 {

address (string, optional): 用户 address ,
 monthNumber (integer, optional): 购买的月数 ,
 password (string, optional): 用户密码,
 price (number, optional): 价格 ,
 storageSize (string, optional): 套餐存储大小 ,
 userId (integer, optional): 用户 id

}

请求示例:

```

{
  "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",
  "monthNumber": 1,
  "password": "123456",
  "price": 100,
  "storageSize": "1G"
}

```

```
}
```

响应结果:

```
{
  "msg": "购买成功! ",
  "code": 0,
}
```

返回信息
状态吗: 0 成功

10. fst 兑换子链 coin: <http://localhost:8080/moacipfs/web/fstToSubChainCoin>

请求参数:

WEB 资产参数列表 {

- address (string, optional): 用户地址 ,
- amount (number, optional): 金额 ,
- password (string, optional): 用户密码

}

请求示例:

```
{
  "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",
  "amount": 10,
  "password": "123456"
}
```

响应结果:

```
{
  "msg": "fst 兑换子链 coin 成功! ",
  "code": 0,
}
```

返回信息
状态吗: 0 成功

11. 子链 coin 兑换 fst: <http://localhost:8080/moacipfs/web/subChainCoinToFst>

请求参数:

WEB 资产参数列表 {

- address (string, optional): 用户地址 ,
- amount (number, optional): 金额 ,
- password (string, optional): 用户密码

}

请求示例:

```
{
  "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",
  "amount": 1000,
  "password": "123456"
}
```

响应结果:

```
{
  "msg": "子链 coin 兑换 fst 成功! ",
  "code": 0,
}
```

返回信息
状态吗: 0 成功

12. 用户查询资产列表: <http://localhost:8080/moacipfs/web/queryAssetsList>

请求参数:

WEB 资产参数列表 {

address (string, optional): 用户地址

}

请求示例:

```
{
  "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e"
}
```

响应结果:

```
{
  "msg": "查询余额成功! ",
  "code": 0,
  "data": [
    {
      "assetsId": 341,
      "currencyNumber": "COIN",
      "userId": 13,
      "lock": 0,
      "balance": 0
    },
    {
      "assetsId": 342,
      "currencyNumber": "FST",
      "userId": 13,
      "lock": 0,
      "balance": 0
    }
  ]
}
```

	资产记录 id
	币种编号
	用户 id
	锁定额
	可用余额

13. 用户查询余额: <http://localhost:8080/moacipfs/web/queryBalance>

请求参数:

WEB 资产参数列表 {

address (string, optional): 用户地址 ,

currencyNumber (string, optional): 币种编号

}请求示例:

```
{
  "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",
  "currencyNumber": "FST"
}
```

响应结果:

```
{
```

```

    "msg": "查询余额成功!",
    "code": 0,
    "userAssets": {
      "assetsId": 342,
      "currencyNumber": "FST",
      "userId": 13,
      "lock": 0,
      "balance": 0
    }
  }
}

```

资产记录 id
币种编号
用户 id
锁定额
可用余额

14. 查询用户套餐列表: <http://localhost:8080/moacipfs/web/queryPackageList>

请求参数:

用户套餐通用参数 {

buyStatus (integer, optional): 购买状态:0:处理中,1:购买成功,2:购买失败,3:查询全部

status (integer, optional): 状态(-2:处理中,-1:永久有效,0:正常,1:已过期但在一个月内,2:已过期,3:查询所有套餐),

userId (integer, optional): 用户 id

}

请求示例:

```

{
  "address": "0xD6C95746fae74F742eF0e59ccc8F149f4231Af4e",
  "buyStatus": 1,
  "status": -1,
  "userId": 13
}

```

响应结果:

```

{
  "msg": "查询用户套餐列表成功!",
  "code": 0,
  "data": [
    {
      "storagePackageId": 87,
      "userId": 13,
      "createDate": 1543464797915,
      "expireDate": -1,
      "formatSize": "1.00GB",
      "useFormatSize": "0",
      "realSize": 1073741824,
      "userRealSize": 0,
      "price": 0,
      "status": -1,
      "currencyNumber": "",
      "buyHash": ""
    }
  ]
}

```

套餐 id
用户 id
创建日期
过期时间(-1 表示永久有效)
存储大小(格式化)
已使用存储大小(格式化)
真实存储大小(b)
真是已使用存储大小
价格
状态-1, 永久有效
购买币种编号
交易 hash

```

        "buyStatus": 1
    }
]
}

```

购买状态, 1 成功

15. 用户查询私钥: <http://localhost:8080/moacipfs/web/queryPrivateKey>

请求参数:

导入地址表单

```

{
    keyStore (string, optional): keyStore ,
    password (string, optional): 密码
}

```

请求示例:

```

{
    "keyStore":
        "{"address":"d6c95746fae74f742ef0e59ccc8f149f4231af4e","crypto":{"cipher":"aes-128-ctr",
        "ciphertext":"aed29078f47b89a2bc9756c2a05e8405d7f8971f3a6b119f44ba207bfa5dd2c8","cipherparams":{"iv":"7640b89b367e69458e5544a3467eb460"},"kdf":"scrypt","kdfparams":{"dklen":32,"n":262144,"p":1,"r":8,"salt":"52aaabd6db98ce49bd14d342e8a4ec168a71f5c73463595480ae2e2894fdad76"},"mac":"c3ef86afbd7b8e9f542bd7c79d79f47445ded92edc9b5056446013dd45ecdc0d"},"id":"5714950e-0eec-4361-bd38-918355c5b939","version":3}",
    "password": "hs111111"
}

```

响应结果:

```

{
    "msg": "子链 coin 兑换 fst 成功! ",
    "code": 0,
    "privateKey":
        "6b3840131dd25015608cb9b2bcb3bdaeb49df68606bf47ff758f9f2ae9af49d"
}

```

返回信息
状态吗: 0 成功
私钥