

bitcoin与usdt

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Chapter 1. Overview

bitcoin与usdt操作接口

1.1. Version information

Version: 1.0

1.2. Contact information

Contact: lanjing

1.3. URI scheme

Host: localhost:8080

BasePath: /

1.4. Tags

- USDTApi: usdt操作Api

Chapter 2. Definitions

2.1. BtcAddressInfo

比特币地址信息

Name	Description	Required	Schema	Default
account	账号	true	string	
address	地址	true	string	
amount	金额	true	number (double)	
confirmations	广播次数	true	integer (int32)	
label		false	string	
txids	txid	true	string array	

2.2. OmniTokenBalanceInfoRes

Name	Description	Required	Schema	Default
address		false	string	
balance		false	string	
frozen		false	string	
propertyid		false	integer (int32)	
reserved		false	string	

2.3. Payload

Name	Description	Required	Schema	Default
amount		false	number (double)	
propertyid		false	integer (int32)	

2.4. PropertyInfoRes

代币信息

Name	Description	Required	Schema	Default
category	代币类型	true	string	
creationtxid	创建txid	true	string	
data	代币信息	true	string	
divisible	是否可以切分	true	boolean	
fixedissuance		false	boolean	
freezingenabled		false	boolean	

Name	Description	Required	Schema	Default
issuer	发起账号	true	string	
managedissuance		false	boolean	
name	代币名称	true	string	
propertyid	代币id	true	integer (int32)	
subcategory	子类型	true	string	
totaltokens	发行量	true	string	
url	代币官网链接	true	string	

2.5. Transaction

交易请求对象

Name	Description	Required	Schema	Default
amount	金额	true	number (double)	
fee	手续费	true	number (double)	
feeaddress	手续费地址	true	string	
fromAddress	发送方	true	string	
fromaddress	发送方	true	string	
propertyid	代币id	true	integer (int32)	
toAddress	接受方	true	string	
toaddress	接收方	true	string	

2.6. TransactionRes

交易对象

Name	Description	Required	Schema	Default
amount		false	string	
block		false	integer (int32)	
blockhash		false	string	
blocktime		false	integer (int32)	
category		false	string	
confirmations		false	integer (int32)	
data		false	string	
divisible		false	boolean	
ecosystem	是否为测试网络	true	string	
fee	手续费	true	string	
ismine	是否为本机钱包	true	boolean	

Name	Description	Required	Schema	Default
positioninblock		false	integer (int32)	
propertyid	代币id	true	integer (int64)	
propertyname		false	string	
propertytype		false	string	
referenceaddress		false	string	
sendingaddress	发送者	true	string	
subcategory		false	string	
txid	txid	true	string	
type		false	string	
type-int		false	integer (int32)	
url		false	string	
valid		false	boolean	
version		false	integer (int32)	

2.7. UnspentRes

UTXO对象

Name	Description	Required	Schema	Default
account		false	string	
address		false	string	
amount		false	number (double)	
confirmations		false	integer (int32)	
scriptPubKey		false	string	
solvable		false	boolean	
spendable		false	boolean	
txid		false	string	
value		false	number (double)	
vout		false	integer (int32)	

Chapter 3. Resources

3.1. USDTApi

usdt操作api

3.1.1. /token

```
GET /api/token/{propertyid}/{address}
```

Description

查询令牌余额信息 by 地址&id

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	address	地址	true	[String]	
BodyParameter	propertyid	代币ID	true	[Integer]	

Responses

HTTP Code	Description	Schema
200	OK	OmniTokenBalanceInfoRes
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.2. /account

```
GET /api/account/{address}
```

Description

获取地址对于的账户名称 by address

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	address	地址	true	[String]	

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.3. /listBlockTransactions

```
GET /api/listBlockTransactions/{block_height}
```

Description

获取【全网】下固定区块高度的事务列表

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	block-height	区块高度	true	[Long]	

Responses

HTTP Code	Description	Schema
200	OK	string array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.4. payload

```
POST /api/payload
```

Description

创建一个 payload

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	payload	payload	true	Payload	
BodyParameter	Payload	pay对象	true	Integer	

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.5. /txid

```
GET /api/txid/{txid}
```

Description

查询txid信息

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	txid	txid	true	String	

Responses

HTTP Code	Description	Schema
200	OK	TransactionRes
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.6. /dumpWallet

```
GET /api/dumpWallet
```

Description

导出钱包数据以人类可读的方式

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.7. /backupWallet

```
GET /api/backupWallet
```

Description

钱包数据备份

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.8. simplesend

POST /api/simplesend

Description

创建一个简单的交易对象.传统Api

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	trans	trans	true	Transaction	
BodyParameter	Transaction	交易对象	true	Transaction	

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.9. /val

GET /api/val/{address}

Description

校验地址

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	address	校验地址	true	[String]	

Responses

HTTP Code	Description	Schema
200	OK	boolean
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.10. /listtoken

GET /api/listtoken

Description

列出所有令牌或智能属性。

Responses

HTTP Code	Description	Schema
200	OK	PropertyInfoRes array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.11. /listwallet

GET /api/listwallet

Description

获取钱包内比特币地址信息列表

Responses

HTTP Code	Description	Schema
200	OK	BtcAddressInfo array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.12. /pending

GET /api/pending

Description

列出【本机】钱包中未验证的事务

Responses

HTTP Code	Description	Schema
200	OK	TransactionRes array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.13. /listtrans

```
GET /api/listtrans/{address}
```

Description

查询区块信息

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	address	block—height	true	[Long]	

Responses

HTTP Code	Description	Schema
200	OK	TransactionRes array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.14. /received

```
GET /api/received/{address}
```

Description

查询指定地址的收款总额（不是余额！ 不是余额！ 不是余额

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	address	地址	true	[String]	

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.15. /sendToken

POST /api/sendToken

Description

新的api创建并发送资助的简单发送交易。来自发件人的所有比特币都被消费。如果缺少比特币，则从指定的费用来源获取。更改将发送到费用来源！

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	fromaddress	发送地址	true	[String]	
BodyParameter	toaddress	接收地址	true	[String]	
BodyParameter	propertyid	代币ID	true	[Integer]	
BodyParameter	amount	金额	true	[Double]	
BodyParameter	feeaddress	支付手续费的地址	true	[String]	

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

HTTP Code	Description	Schema
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.16. /sendSimpleToken

POST /api/sendSimpleToken

Description

旧api.创建并发送资助的简单发送交易。

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	fromaddress	发送地址	true	[String]	
BodyParameter	toaddress	接收地址	true	[String]	
BodyParameter	propertyid	代币ID	true	[Integer]	
BodyParameter	amount	金额	true	[Double]	
BodyParameter	fee	手续费.手续费计算地址https://bitcoinfees.earn.com/	true	[String]	

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.17. /listutxo

```
GET /api/listutxo/{address}
```

Description

查询utxo列表

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	address	通过address查询UTXO	true	List<UnspentRes>	

Responses

HTTP Code	Description	Schema
200	OK	UnspentRes array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.18. /token

```
GET /api/token/{propertyid}
```

Description

根据url的id来获取用户详细信息

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	propertyid	代币ID	true	Integer	

Responses

HTTP Code	Description	Schema
200	OK	PropertyInfoRes

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.19. /listAddr

```
GET /api/listAddr/{account}
```

Description

获取账户名称下的地址列表

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	account	账户名称	true	[String]	

Responses

HTTP Code	Description	Schema
200	OK	string array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.20. /create

```
GET /api/create/{account}
```

Description
通过节点创建新地址

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	account	账号名称	true	IString	

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.21. /getOmniBalanceByAddress

```
GET /api/getOmniBalanceByAddress/{address}
```

Description
查询令牌余额信息 by 地址

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	address	地址	true	IString	

Responses

HTTP Code	Description	Schema
200	OK	OmniTokenBalanceInfoRes array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.22. /importWallet

```
POST /api/importWallet
```

Description

钱包数据导入

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	fielName	钱包地址	true	IString	

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.23. /balance

```
GET /api/balance/{account}
```

Description

获取余额信息

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	account	查询账户	true	[String]	

Responses

HTTP Code	Description	Schema
200	OK	string
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.24. /block

```
GET /api/block/{block_height}
```

Description

查询区块信息

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	block-height	block-height	true	[Long]	

Responses

HTTP Code	Description	Schema
200	OK	string array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json

3.1.25. sendtoken

POST /api/sendtoken

Description

创建一个简单的交易对象

Parameters

Type	Name	Description	Required	Schema	Default
BodyParameter	trans	trans	true	Transaction	
BodyParameter	Transaction	交易对象	true	Transaction	

Responses

HTTP Code	Description	Schema
200	OK	string
201	Created	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Consumes

- application/json

Produces

- application/json