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## 1. Contents

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- /open/api/market-Get the latest transaction price of each currency pair
- /open/api/new\_order- Get current delegation
- /open/api/order\_info- Get order details
- /open/api/user/account- Asset balance
- hanxun api (a tentative scheme, please communicate and revise timely if there are any objections)
- sanweidu special interface (it needs hypervisor authority)

## 2. General Rules

### 1) Signature:

The request parameters need to be ordered by dictionary, and then to be joined as string in the form of keyvalue, finally, sign=MD5(string+secretKey)。Note: If there is any NULL in the request parameters, then it isn't be included in the signature string during joining.

For example:

Parameters are as follows:

```
{
country = 86;
mobile = 15882133579;
password = 654321zz;
time = 1516007245;
}
```

After joining:

```
string =
country86mobile15882133579password654321zztime1516007278
sign=MD5(string+secretKey)
```

### 3. **post** the request parameters submitted data with form format

```
content-type:application/x-www-form-urlencoded
```

## 4. Error Code

Error Code	Instructions	Notes
0	succeed	
5	fail to order	
6	the quantity value less than the minimum one	
7	the quantity value more than the maximum one	
8	fail to cancel order	
9	transaction be frozen	
13	Sorry, the program made an error, please contact with the manager.	

19	Available balance is insufficient.	
22	The order does not exist.	

23	Lack of parameters of numbers of transaction	
24	Lack of parameters of transaction price	
100001	System is abnormal	
100002	Update System	
100004	the request parameters are illegal	
100005	parameters of signature error	
100007	illegal IP	
110002	unknown currency code	
110003	fund password error	
110004	withdrawing is frozen	
110005	Available balance is insufficient.	
110020	Username does not exist.	
110023	Phone number is registered.	
110024	Email box is registered.	
110025	Account is locked by background manager	
110032	The user has no authority to do this operation.	
110033	fail to recharge	
110034	fail to withdraw	

/open/api/all\_order-Get all delegation

/open/api/all_order (get): Deal done and cancelled		
Parameters	Fill-in Type	Instructions
symbol	required	Market mark, btcusdt, see below for details
pageSize	optional	page size
page	optional	page number
api_key	required	api_key

time	required	timestamps
sign	required	signature

return		
Field	Examples	Explanation
code	0	
msg	"suc"	code>0 failed
data	as follows:	

```
{
  "count":10,
```

```
"orderList":[
  {
    "side":"BUY",
    "total_price":"0.10000000",
    "created_at":1510993841000,
    "avg_price":"0.10000000",
    "countCoin":"btc",
    "source":1,
    "type":1,
    "side_msg":"buy-in",
    "volume":"1.000",
    "price":"0.10000000",
    "source_msg":"WEB",
    "status_msg":"complete deal",
    "deal_volume":"1.00000000",
    "id":424,
    "remain_volume":"0.00000000",
    "baseCoin":"eth",
    "tradeList":[
      {
        "volume":"1.000",
        "feeCoin":"YLB",
        "price":"0.10000000",
        "fee":"0.16431104",
        "ctime":1510996571195,
        "deal_price":"0.10000000",
        "id":306,
        "type":"buy-in"
      }
    ]
  },
  "status":2
],
{
  "side":"SELL",
  "total_price":"0.09900000",
  "created_at":1510993715000,
  "avg_price":"0.10000000",
  "countCoin":"btc",
  "source":1,
  "type":1,
  "side_msg":"sell-out",
  "volume":"1.000",
  "price":"0.09900000",
  "source_msg":"WEB",
  "status_msg":"complete deal",
  "deal_volume":"1.00000000",
  "id":423,
  "remain_volume":"0.00000000",
  "baseCoin":"eth",
  "tradeList":[
    {
      "volume":"1.000",
      "feeCoin":"YLB",
      "price":"0.10000000",
      "fee":"0.16597075",
      "ctime":1510993723973,
      "deal_price":"0.10000000",
      "id":261,
      "type":"sell-out"
    }
  ]
}
```

```
}  
],  
"status":2
```

```

    ]
}

```

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt
bcc	bccny	bcbtc	bccusdt
etc	etcny	etcbtc	etcusdt
usdt	usdtcny	-	-

/open/api/all\_trade-Get all transaction record

/open/api/all_trade (get): Dealt Order		
Parameters	Fill-in Type	Instructions
symbol	required	Market mark, btcusdt, see below for details
pageSize	optional	page size
page	optional	page number
api_key	required	api_key
time	required	timestamps
sign	required	signature

return

Field Examples Explanation

code	0	
msg	"suc"	code>0 failed
data	{"as follows"	





```
{
  "count":22,
  "resultList":[
    {
      "volume":"1.000",
      "side":"BUY",
      "feeCoin":"YLB",
      "price":"0.10000000",
      "fee":"0.16431104",
      "ctime":1510996571195,
      "deal_price":"0.10000000",
      "id":306,
      "type":"Buy-in"
    },
    {
```

```
    "volume": "0.850",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.13966438",
    "ctime": 1510996571190,
    "deal_price": "0.08500000",
    "id": 305,
    "type": "Buy-in"
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.00164311",
    "ctime": 1510995560344,
    "deal_price": "0.00100000",
    "id": 291,
    "type": "Buy-in"
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.00164311",
    "ctime": 1510995560338,
    "deal_price": "0.00100000",
    "id": 290,
    "type": " Buy-in "
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.00164311",
    "ctime": 1510995560331,
    "deal_price": "0.00100000",
    "id": 289,
    "type": " Buy-in "
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.00164311",
    "ctime": 1510995555323,
    "deal_price": "0.00100000",
    "id": 288,
    "type": " Buy-in "
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
```

```
    "fee": "0.00164311",
    "ctime": 1510995555317,
    "deal_price": "0.00100000",
    "id": 287,
    "type": "Buy-in "
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.00164311",
    "ctime": 1510995550309,
    "deal_price": "0.00100000",
    "id": 286,
    "type": "Buy-in "
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.00164311",
    "ctime": 1510995550303,
    "deal_price": "0.00100000",
    "id": 285,
    "type": "Buy-in "
  },
  {
    "volume": "0.010",
    "side": "BUY",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.00164311",
    "ctime": 1510995545295,
    "deal_price": "0.00100000",
    "id": 284,
    "type": "Buy-in "
  }
]
}
```



virtual currency number	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt
bcc	bcccny	bccbtc	bccusdt
etc	etccny	etcbtc	etcusdt
usdt	usdtcny	-	-

/open/api/cancel\_order-cancel delegation order

/open/api/cancel_order (post)		
Parameters	Fill-in Types	Instructions
order_id	required	order ID
symbol	required	Market mark, ethbtc, see below for details
api_key	required	api_key
time	required	timestamps
sign	required	signature

return

Field	Examples	Explanation
-------	----------	-------------

code 0

msg "suc code>0 failed"

data ""

virtual currency number	xxx-cny (xxx101)	xxx-btc (xxx201)
btc	btccny	-
eth	ethcny	ethbtc
ltc	ltccny	ltcbtc

bcc	bccny	bccbtc
etc	etcny	etcbtc

/open/api/common/symbols Query all transaction pairs and accuracy supported by system

/open/api/common/symbols(get) :

Parameters	Fill-in Types	Instruction
------------	---------------	-------------

no

return

Fields	Examples	Explanation
code	0	

msg	"suc"	code>0 failed
data	{ "code": "0", "msg": "suc", "data": [ { "symbol": "ethbtc", "count_coin": "btc", "amount_precision": 3, "base_coin": "eth", "price_precision": 8 }, { "symbol": "lcbtc", "count_coin": "btc", "amount_precision": 2, "base_coin": "ltc", "price_precision": 8 }, { "symbol": "bcbtc", "count_coin": "btc", "amount_precision": 3, "base_coin": "bch", "price_precision": 8 }, { "symbol": "etcbtc", "count_coin": "btc", "amount_precision": 2, "base_coin": "etc", "price_precision": 8 }, { "symbol": "lcteth", "count_coin": "eth", "amount_precision": 2, "base_coin": "ltc", "price_precision": 8 }, { "symbol": "ecteth", "count_coin": "eth", "amount_precision": 2, "base_coin": "etc", "price_precision": 8 } ] }	symbol transaction pairs base_coin count_coin price_precision (0 is unit) amount_precision (0 is unit)

/open/api/create\_order-Create order

/open/api/create_order (post)		
Parameters	Fill-in Types	Instructions

side	required	Trading Direction
type	required	pending order types, 1:Limit-price Delegation 2:Market-price Delegation
volume	required	Purchase Quantity (polysemy, multiplex field) type=1: Quantity of buying and selling type=2: Buying represents gross price, and selling represents total number Trading restriction <a href="#">user/me-user</a> information

---

---

price optional Delegation Price: type=2: this parameter is no use.

symbol	required	Market mark, ethbtc
fee_is_user_exchange_coin	optional	0, when making transactions with all platform currencies, this parameter represents whether to use them to pay fees or not and 0 is no, 1 is yes.
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Field	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
data	{"order_id":3434 3}	succeed to return transaction ID

virtual currency numbers	xxx-cny (xxx101)	xxx-btc (xxx201)
btc	btccny	-
eth	ethcny	ethbtc
ltc	ltccny	ltcbtc
bcc	bccny	bccbtc
etc	etccny	etcbtc

/open/api/get\_records Get K line data

This interface has no checkout of signature.

/open/api/get_records(get): Get K line data		



Parameters	Fill-in Types	Instructions
------------	---------------	--------------

symbol required Market mark, bchbtc, see blow for details

period required minute is the unit, for example, one minute is 1 and one day is 1440

virtual currency number	xxx-cny	xxx-btc	xxx-usdt
bch	bccny	bchbtc	bchusdt
btc	btccny	-	btcusdt
etc	etccny	etcbtc	etcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt

return		
Fields	Examples	Explanations
code	0	
msg	"suc" code>0	failed
data	as follows:	

```
[
  [
    1514445780, //timestamp
    1.12, //opening price
    1.12, //the highest
    1.12, //the lowest
    1.12, //closing price
    0 //transaction volume
  ],
  [
    1514445840,
    1.12,
    1.12,
    1.12,
    1.12,
    0
  ],
  [
    1514445900,
    1.12,
    1.12,
    1.12,
    1.12,
    0
  ]
]
```

/open/api/get\_ticker Get current Quotations

This interface has no checkout of signature.

/open/api/get\_ticker (get): 获取当前行情

Param	Fill-in	Instructions
etes	Types	
symbol	required	Market mark, btcusdt, see below for details

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
data	as follows:	

```
{
  "high": 1, //the highest value
  "vol": 10232.26315789, //transaction volume
  "last": 173.60263169, //the latest transaction price
  "low": 0.01, //the lowest value
  "buy": "0.01000000", //ask price
  "sell": "1.12345680", //bid price
  "time": 1514448473626
}
```

virtual currency number	xxx- cny	xxx- btc	xxx- usdt
bcc	bcccny	bccbtc	bccusdt
btc	btccny	-	btcusdt
etc	etccny	etcbtc	etcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt

/open/api/get\_trades Get transaction record of quotations

This interface has no checkout of signature.

/open/api/get\_trades (get): Get transaction record of quotations

Param eters	Fill-in Types	Instructions
symbol	required	Market mark, bchbtc, see below for details

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
data	as follows:	

```
[
  {
    "amount": 0.55, //transaction amount
    "price": 0.18519949, //transaction price
    "id": 447121,
    "type": "buy" //trading type, buy and sell
  },
  {
    "amount": 16.45,
    "price": 0.18335468,
    "id": 447120,
    "type": "buy"
  },
  {
    "amount": 2,
    "price": 0.18335468,
    "id": 447119,
    "type": "buy"
  }
]
```

```
  },  
  {  
    "amount": 2.92,  
    "price": 0.183324003,  
    "id": 447118,  
    "type": "sell"  
  }  
]
```

---

virtual currency numbers	xxx- cny	xxx- btc	xxx- usdt
bch	bcccny	bchbtc	bchusdt
btc	btccny	-	btcusdt
etc	etccny	etcbtc	etcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt

/open/api/market\_dept Query orders depth

This interface has no checkout of signature.

/open/api/market_dept (get):		
Param eters	Fill-in Types	Instructions
symbol	required	Market mark, ethbtc, see blow for details
type	required	depth types, step0, step1, step2 (merging depth 0-2) ; step0 represents the highest accuracy

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
data	see following codes:	

```
{
  "tick":{
    "asks":[//selling
      {22112. 22, 0. 9332},
      {22112. 21, 0. 2},
      {22112. 21, 0. 2},
      {22112. 21, 0. 2},
      {22112. 21, 0. 2},
    ],
    "bids":[//buying
      {22111. 22, 0. 9332},
      {22111. 21, 0. 2},
      {22112. 21, 0. 2},
      {22112. 21, 0. 2},
      {22112. 21, 0. 2},
    ]
  }
}
```

/open/api/market-Get the latest transaction price of each currency pair

/open/api/market (get) :		
Parameters	Fill-in Types	Instructions
api_key	required	api_key
time	required	timestamp

---

---

sign	required	signature
------	----------	-----------

return		
Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
data	{"btcusdt":15000,"ethusdt":800}	

virtual currency numbers	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt
bcc	bcccny	bccbtc	bccusdt
etc	etccny	etcbtc	etcusdt

/open/api/new\_order-Get current delegations

/open/api/new\_order (get): Including untraded and trading delegation

Parameters	Fill-in Types	Instructions
symbol	required	Market mark, btcusdt, see below for details
pageSize	optional	page size
page	optional	page number
api_key	required	api_key
time	required	timestamps
sign	required	signature

return		
Fields	Examples	Explanations



code 0

msg	"suc"	code>0 failed
data	as shown below	instructions of order status: INIT(0,"primary order, untraded and not enter the market"), NEW_(1,"new order, untraded and enter the market "), FILLED(2,"complete deal"), PART_FILLED(3,"partial deal"), CANCELED(4,"already withdrawn"), PENDING_CANCEL(5,"pending withdrawak"), EXPIRED(6,"abnormal orders");

```
{  
  "count":10,  
  "resultList": [  
    {  
      "side": "BUY",
```

```
"total_price": "0.10000000",
"created_at": 1510993841000,
"avg_price": "0.10000000",
"countCoin": "btc",
"source": 1,
"type": 1,
"side_msg": "Buy-in",
"volume": "1.000",
"price": "0.10000000",
"source_msg": "WEB",
"status_msg": "complete deal",
"deal_volume": "1.00000000",
"id": 424,
"remain_volume": "0.00000000",
"baseCoin": "eth",
"tradeList": [
  {
    "volume": "1.000",
    "feeCoin": "YLB",
    "price": "0.10000000",
    "fee": "0.16431104",
    "ctime": 1510996571195,
    "deal_price": "0.10000000",
    "id": 306,
    "type": "Buy-in"
  }
],
"status": 2
},
{
  "side": "SELL",
  "total_price": "0.09900000",
  "created_at": 1510993715000,
  "avg_price": "0.10000000",
  "countCoin": "btc",
  "source": 1,
  "type": 1,
  "side_msg": "Sell-out",
  "volume": "1.000",
  "price": "0.09900000",
  "source_msg": "WEB",
  "status_msg": "complete deal",
  "deal_volume": "1.00000000",
  "id": 423,
  "remain_volume": "0.00000000",
  "baseCoin": "eth",
  "tradeList": [
    {
      "volume": "1.000",
      "feeCoin": "YLB",
      "price": "0.10000000",
      "fee": "0.16597075",
      "ctime": 1510993723973,
      "deal_price": "0.10000000",
      "id": 261,
      "type": "Sell-out"
    }
  ]
},
"status": 2
```

```

    ]
}

```

virtual currency numbers	xxx-cny	xxx-btc	xxx-usdt
btc	btccny	-	btcusdt
eth	ethcny	ethbtc	ethusdt
ltc	ltccny	ltcbtc	ltcusdt
bcc	bcccny	bccbtc	bccusdt
etc	etccny	etcbtc	etcusdt
usdt	usdtcny	-	~/web/new_order-Get current delegation

/open/api/order\_info-Get order details

/open/api/order\_info (get):

Parameters	Fill-in Types	Instructions
order_id	required	order ID
symbol	required	Market mark, ethbtc, see blow for details
api_key	required	api_key
time	required	timestamps
sign	required	signature

return

Fields	Examples	Explanations
code	0	
msg	"suc"	code>0 failed
data	{ "order_info" : {}, "trade_list": [] }	

```

{
  "order_info": {
    "id": 343,
    "side": "sell",
    "side_msg": "Sell-out",
    "created_at": "09-22 12:22",
    "price": 222.33,
    "volume": 222.33,
    "deal_volume": 222.33,
    "total_price": 222.33,
    "fee": 222.33,
    "age_price": 222.33}
  }
  "trade_list": [
    {
      "id": 343,
      "created_at": "09-22 12:22",
      "price": 222.33,
      "volume": 222.33,
      "deal_price": 222.33,
      "deal_fee": 222.33
    },
    {
      "id": 345,
      "created_at": "09-22 12:22",
      "price": 222.33,
      "volume": 222.33,
      "deal_price": 222.33,
      "deal_fee": 222.33
    }
  ]
}

```

/open/api/user/account-Asset balance

/open/api/user/account (get)

Parameters	Fill-in Types	Instructions
api_key	required	api_key
time	required	timestamps
sign	required	signature

return

Fields Examples

Explanations

code	0	
msg	"suc"	code>0 failed

---

data	<pre>{   "total_asset":432323.23,   "coin_list": [     {"coin": "btc", "normal": 32323.233, "locked": 32323.233, "btcValuation": 112.33},     {"coin": "ltc", "normal": 32323.233, "locked": 32323.233, "btcValuation": 112.33},     {"coin": "bch", "normal": 32323.233, "locked": 32323.233, "btcValuation": 112.33},   ] }</pre>	<pre>total_asset: total assets normal: balance account locked: frozen accounts btcValuation: BTC valuation</pre>
------	---	--