# API develop a document

## **Function in**

- 1. Create an account
- 2. Check the balance
- 3. Check the balance in bulk
- 4. Query the trade list
- 5. Create a transfer transaction
- 6. Transaction details
- 7. Query token list
- 8. Query token details
- 9. Query individual block information according to block number
- 10. Query individual block information by block hash
- 11. Get transaction ID (txnld)
- 12. Query the list of transactions contained within the block by block number
- 13. Query token mining revenue list
- 14. Query token mining proceeds available
- 15. Token mining earnings claim
- 16. Query token mining yield details

# api url

#### http://n1.ctk.bz

The server address will be represented by **server** in the following content

#### General return parameter description

Paramet er	specification
Status	Status identifier: 0 failed; 1 success; 2 failure
info	Interface returns a description of information, such as error mes sages
data	Interface return data

Message body signature description:

All signed messages need to first get the transaction ID (txnId) through interface 11 to get the transaction ID (txid), random number (nonce).

The body of the message is a concatenated string of parameters

Transfer message body (6. Create transfer transaction): txid + cc + from + to + amount Transaction tx, transfer currency English, transfer person, payee, transfer amount of string.

#### Signature step:

- 1. the body of the message is converted to a byte array, then to a hexadecimal string, and then to lowercase, which is the body of the message that needs to be signed.
- 2. perform Keccak 256 hash of sha3 in the message body to get the hash message.
- 3. use private key to sign with ECDSA algorithm.

#### 1.Create account:

interface path: server/acc

Request method: get

Parar	neter	must specify whether	is required
psw		required	password

#### Return data description

Field	description	
info	Wallet address or error information	
data	Wallet keystore content	
data->address	The wallet address	
data->crypto->ciphertext	Encrypted account private key	

#### Return to the sample

success

{"status":"1","info":"0xF1D0dFbC41F3FD3aeD603bef2A80e6d2c6CB8Ec7","data": {"address":"f1d0dfbc41f3fd3aed603bef2a80e6d2c6cb8ec7","crypto":{"cipher":"aes-128-ctr","ciphertext":"51ea5e39c1faccca12f172e25c8446bcb772e86768c5b4b0c9135b2257a4a300","cipherparams":{"iv":"e3873fb38fb0724d2c9d985af229fbaa"},"kdf":"scrypt","kdfparams":

{"dklen":32,"n":262144,"p":1,"r":8,"salt":"34f455a5464bf53a85562a17a24919f4f980a8c3f63265096d06c251f1e43a06"},"mac":"0a59135abf7322ab53be6305b95b4fa0e5babb2affba09a2793d0e050040dd66"},"id":"c32f0c2a-5744-463d-812f-66bf7aaafb9f","version":3}}

When the failure

{"status":0,"info":"args psw is null","data":""}

#### 2. Check the balance:

interface path: server/qry

Request method: get

Parameter	is required	explain
cmd	required	Fixed to fill out qryBal
args	required	wallet address
СС	required	token name

#### Return data description

Field	description	
info	error message	
data	wallet balance	

#### Return to the sample

success

{"status":"1","info":"","data":999922179}

When the failure

{"status":"0","info":"error info","data":""}

#### 3. Check the balance in bulk:

interface path: server/bal

Request method: get

P ar a m et er	is re q ui re d	description	
ar g	re q ui re d	Wallet address and token English name corresponding to the Jso n string	
		format demo: {"cclist":[{"cc":"dmc","addr":"0x5fe071ffc42eeb053 5af2b7dd96cdf8a89b8265d"},{"cc":"dm","addr":"0x5fe071ffc42ee b0535af2b7dd96cdf8a89b8265d"}]}	
		json string Fielddescription:	
cc lis t	re q ui re d	The corresponding json string array	
СС	re q ui re d	Token English name	
a d dr	re q ui re d	Enquiry of account address	

return Parameter data description:

The returned data is a json format string, where the key is spliced by cc+ underscore "\_"+addr in the Parameter string. Value is the wallet balance of the current query address

```
success
```

```
 \label{lem:continuous} $$ {\text{"status":"1","info":"","data":" $$ {\text{"dm_0x5fe071ffc42eeb0535af2b7dd96cdf8a89b8265d":"996421.2700000000"} $$ {\text{"token1_0x5fe071ffc42eeb0535af2b7dd96cdf8a89b8265d":"57500"}}$$ }
```

When the failure

{"status":"0","info":"Parameter not is null","data":""}

# 4. Query the trade list:

interface path: server/trade

Request method: get

Param eter	is requ ired	description
metho d	require d	Fixed history
сс	option al	token name
acc	require d	wallet address
page	require d	pagination
numbe r	require d	Number of records per page (Max. 100)
status	option al	Record type (all 0, roll out 1, roll in 2, fail 3;Not all queri es are filled by default.

Field	description		
info	error info		
data	json array		
data[n]->out	out account		

Field	description	
data[n]->in	in account	
data[n]->txId	txid	
data[n]->toke n	token name	
data[n]->flag	Trade type 1 roll-out and roll-in	
data[n]->sum	Total quantity (including commission)	
data[n]->fee	service charge	
data[n]->amo unt	Transaction quantity (excluding commission)	
data[n]->time	Time (string)	
data[n]->auth ority_sign	Forensic identification number	
data[n]->type	Transaction type 1 represents token release deduction fee, 0 represents normal transfer	
data[n]->block Num	block number	
data[n]->rema rk	Transfer note	
data[n]->error	error log	
data[n]->statu s	In state 0 processing,1 succeeds and 2 fails	

#### success

#### When the failure

```
{"status":"0,"info":"err info","data":""}
```

## **5.Create a transfer transaction:**

interface path: server/ivk

Request method: post

Parameter	is required	description
СС	required	token name
from	required	out account
to	required	in account
amo	required	transfer number
sign	required	signature
remark	optional	Transfer note
txid	required	txid
nonce	required	nonce

# Return data description

Field	description
info	err info
data	

# **Return to the sample**

success

 $\label{thm:continuous} $$ \{"status":"1", "info": "success", "data": "b31a2f170c7626d4a2405934fdad375688547a6cbaf3e668862f3ef2126730384"\} $$ \end{tikzpicture} $$ \{ (a,b) \in \mathbb{R}^n : (a,b) \in \mathbb{$ 

When the failure

{"status":"0,"info":"err info","data":""}

#### 6.Transaction details:

interface path: server/trade

# Request method: get

Parameter	is required	description
method	required	Fixed fill TXRST
tx	required	Trading txid

# Return data description

Field	description
info	Trade txid error message, and show invalidTxid if tx cannot f ind it
data	json
data->out	out account
data->in	in account
data->txld	Transaction ID
data->token	token abbreviation
data->sum	Total quantity (including commission)
data->fee	service charge
data->amou nt	Transaction quantity (excluding commission)
data->time	Time (string)
data->author ity_sign	Forensic identification number (possibly empty)
data>type	Transaction type 1 represents token release deduction fee, 0 represents normal transfer
data->block Num	Belongs to block number
data->remar k	Transfer note
data->error	error message
data->status	Oprocessing 1success 2fail

{"status":"1","info":"success","data":{"out":"out account","in":"in account","txld":"Transaction ID","token":"xxx","fee":"1","amount":"1","time":"time","blockNum":"11","remark":"Transfer note","error":"err info","status":"1"}}

When the failure

{"status":"0","info":"Parametertx not is null","data":""}

# 7. Query token list:

interface path: server/tklist

Request method: get

Para meter	is req uired	description
arg	optio nal	optionalParameter, If not, query all token list, fill in, fuzz y matching to find token list
page	optio nal	optionalParameter, If not, query the first page by defaul t (100 records per page)
status	optio nal	Query all status token not filled, 0 not completed, 1 com pleted, 2 error

Field	description
status	1: successful 0: failure
info	error message
data	json array
data[n]->name	token Chinese name
data[n]->cc	token abbreviation
data[n]->creator	token creator
data[n]->total	Monetary Aggregate
data[n]->mineral	Annualized automatic mining ratio
data[n]->decimal	Exact decimal number
data[n]->award	Dig number in advance
data[n]->logo	token logo(http url)

Field	description	
data[n]->desc	tokendescription	
data[n]->url	official website	
data[n]->status	token status, Ounfinished, 1succeed, 2fail	
data[n]->error	error info	

success

{"status":"1","info":"success","data":

[{"id":"3","name":"hu","chaincode":"hu","creator":"0x4B75542331E2B5Bc1d6804Ce639A6bD7 12EB16F9","desc":"xxx","total":"1000000","url":"dsfdf","decimal":"6","logo":"./chaincode/toke n\_logo/0x4B75542331E2B5Bc1d6804Ce639A6bD712EB16F9\_hu.jpg","award":"500000","mine ral":"5",status":"1","error":"}]}

When the failure

{"status":"0","info":"err info","data":""}

# 8. Query token details:

interface path: server/tkinfo

Request method: get

Parameter	is required	description
СС	required	token abbreviation

Field	description
status	1: successful 0: failure
info	error message
data	json
data->name	token Chinese name
data->cc	token abbreviation
data->creator	tokencreator

Field	description
data->total	Monetary aggregates
data->mineral	Annualized automatic mining percentage
data->decimal	Exact decimal number
data->award	Dig number in advance
data->logo	token的logo(http url)
data->desc	tokendescription
data->url	official website

success

{"status":"1","info":"success","data":{"name":"token Chinese name","chaincode":"token abbreviation","creator":"0xbd0f20927c86ee910961d0e98db20d8760464461","desc":"","total":"10000000","url":"http://daima.mobi","decimal":"10","logo":"/img? id=0xbd0f20927c86ee910961d0e98db20d8760464461\_token\_001.jpg","mineral":"5","award":"50000","email":"xxxx@163.com"}}

When the failure

{"status":"0","info":"err info","data":""}

# 9. Query individual block information according to block number :

interface path: server/qry

Request method: get

Parameter	is required	description
cmd	required	Fill in qryblo regularly
args	required	Block number

Field	description
status	1: successful 0: failure
info	error message

Field	description
data	json
data->Number	Block number
data->PreviousHash	The previous block hash
data->DataHash	hash
data->Creator	creator
data->Transactions	Number of transactions included
data->MinerList	Miners list
data->Timestamp	A piece of time
data->Ledgers	Books data
data->Ledgers[n]->token	token abbreviation
data->Ledgers[n]->key	data Key
data->Ledgers[n]->readValue	Value before update
data->Ledgers[n]->writeValue	Updated value

success

{ "status":"1", "info":"", "data":{ "Number":"199",

"MinerList": "0x4a8a0b617187c3b5355705af3e48107705b40c01,0xd56f93963ebe0811837c23 48ee8aac26213f8928", "PreviousHash": "AQwjoC\_k7vaEnpRNCMF9N6o93C-fCEeu6\_YloL9Fh-Y", "DataHash": "Ktsa6TpR\_HYm-siBcKwXvqhUH3zfr--fh\_P1qCrsAQQ",

"Creator": "CgpPcmRlcmVyTVNQEusFLS0tLS1CRUdJTiAtLS0tLQpNSUIDQ3pDQ0FiR2dBd0lCQ WdJUkFLamI4SmFiMzdoMndDUEtlcmdIZ05jd0NnWUILb1pJemowRUF3SXdaekVMCk1Ba0dB MVVFQmhNQ1ZWTXhFekFSQmdOVkJBZ1RDa05oYkdsbWlzSnVhV0V4RmpBVUJnTlZCQWN URFZOaGJpQkcKY21GdVkybHpZMjh4RXpBUkJnTlZCQW9UQ21SaGFXMWhMbTF2WW1reEZ qQVVCZ05WQkFNVERXTmhMbVJoYVcxaApMbTF2WW1rd0hoY05NVGd3TkRFNE1EazFNekV 4V2hjTk1qZ3dOREUxTURrMU16RXhXakJZTVFzd0NRWURWUVFHCkV3SlZVekVUTUJFR0ExV UVDQk1LUTJGc2FXWnZjbTVwWVRFV01CUUdBMVVFQnhNTlUyRnVJRVp5WVc1amFYTmoKY npFY01Cb0dBMVVFQXhNVGIzSmtaWEpsY2pFdVpHRnBiV0V1Ylc5aWFUQlpNQk1HQnlxR1N NNDIBZ0VHQ0NxRwpTTTQ5QXdFSEEwSUFCQVlvTE1VdTNjQ01SR3kwT3kwSm1KT2FPV2Faa WtvbnQyNlRZZmxyNEFueEZWZ1VyL2M3ClVYUWhKUVU1cVdqbkNRT0hsNUhKY0IrOGt0cFF pM0kxYmJHalRUQkxNQTRHQTFVZER3RUIvd1FFQXdJSGdEQU0KQmdOVkhSTUJBZjhFQWpB QU1Dc0dBMVVkSXdRa01DS0FJR1hGcnFJaXZvOGVJbXR0ZmllbHR5M1o5blJRa3NUMwpWU HJMUWhYbC85OERNQW9HQ0NxR1NNNDlCQU1DQTBnQU1FVUNJUUN5ZVFleVo4UUUxe W9jcWFLUTM0N0w2bTJTClh3empWY0ZvM0gyUTd0N0tBd0lnR09vaHVwS283N2VidVlIZjlteD RRbTNIQXhjZUdTbzZQYWJsK2luYXVaWT0KLS0tLS1FTkQgLS0tLS0K", "Transactions":"1", "Timestamp":"2018-05-29 09:47:52", "Ledgers":[ { "token":"", "key":"", "readValue":"",

```
"writeValue":"", "Timestamp":"" }, { "token":"", "key":"", "readValue":"", "writeValue":"", "Timestamp":"" }, {
"token":"", "key":"", "readValue":"", "readValue":"", "key":"", "readValue":"",
"writeValue":"", "Timestamp":"" }]}

When the failure

{"status":"0","info":"err info","data":""}
```

# 10. Query individual block information by block hash:

interface path: server/qry

Request method: get

Parameter	is required	description
cmd	required	Fixed fill qryhash
args	required	Block the hash

Field	description
status	1: successful 0: failure
info	error message
data	json
data->Number	Block number
data->PreviousHash	The previous block hash
data->DataHash	hash
data->Creator	creator
data->Transactions	Number of transactions included
data->MinerList	Miners list
data->Timestamp	A piece of time
data->Ledgers	Books data
data->Ledgers[n]->token	token abbreviation
data->Ledgers[n]->key	data Key

Field	description
data->Ledgers[n]->readValue	Value before update
data->Ledgers[n]->writeValue	Updated value

```
success
```

```
{ "status":"1", "info":"", "data":{ "Number":"199",
"MinerList": "0x4a8a0b617187c3b5355705af3e48107705b40c01,0xd56f93963ebe0811837c23
48ee8aac26213f8928", "PreviousHash": "AQwjoC k7vaEnpRNCMF9N6o93C-fCEeu6 YloL9Fh-
Y", "DataHash": "Ktsa6TpR HYm-siBcKwXvqhUH3zfr--fh P1qCrsAQQ",
"Creator": "CgpPcmRlcmVyTVNQEusFLS0tLS1CRUdJTiAtLS0tLQpNSUIDQ3pDQ0FiR2dBd0lCQ
WdJUkFLamI4SmFiMzdoMndDUEtlcmdIZ05jd0NnWUILb1pJemowRUF3SXdaekVMCk1Ba0dB
MVVFQmhNQ1ZWTXhFekFSQmdOVkJBZ1RDa05oYkdsbWlzSnVhV0V4RmpBVUJnTlZCQWN
URFZOaGJpQkcKY21GdVkybHpZMjh4RXpBUkJnTlZCQW9UQ21SaGFXMWhMbTF2WW1reEZ
qQVVCZ05WQkFNVERXTmhMbVJoYVcxaApMbTF2WW1rd0hoY05NVGd3TkRFNE1EazFNekV
4V2hjTk1qZ3dOREUxTURrMU16RXhXakJZTVFzd0NRWURWUVFHCkV3SIZVekVUTUJFR0ExV
UVDQk1LUTJGc2FXWnZjbTVwWVRFV01CUUdBMVVFQnhNTlUyRnVJRVp5WVc1amFYTmoKY
npFY01Cb0dBMVVFQXhNVGIzSmtaWEpsY2pFdVpHRnBiV0V1Ylc5aWFUQlpNQk1HQnlxR1N
NNDIBZ0VHQ0NxRwpTTTQ5QXdFSEEwSUFCQVlvTE1VdTNjQ01SR3kwT3kwSm1KT2FPV2Faa
WtvbnQyNlRZZmxyNEFueEZWZ1VyL2M3ClVYUWhKUVU1cVdqbkNRT0hsNUhKY0IrOGt0cFF
pM0kxYmJHalRUQkxNQTRHQTFVZER3RUIvd1FFQXdJSGdEQU0KQmdOVkhSTUJBZjhFQWpB
QU1Dc0dBMVVkSXdRa01DS0FJR1hGcnFJaXZvOGVJbXR0ZmllbHR5M1o5blJRa3NUMwpWU
HJMUWhYbC85OERNQW9HQ0NxR1NNNDlCQU1DQTBnQU1FVUNJUUN5ZVFleVo4UUUxe
W9jcWFLUTM0N0w2bTJTClh3empWY0ZvM0gyUTd0N0tBd0lnR09vaHVwS283N2VidVlIZjlteD
RRbTNIQXhjZUdTbzZQYWJsK2luYXVaWT0KLS0tLS1FTkQgLS0tLS0K", "Transactions":"1",
"Timestamp":"2018-05-29 09:47:52", "Ledgers":[ { "token":"", "key":"", "readValue":"",
"writeValue":"", "Timestamp":"" }, { "token":"", "key":"", "readValue":"", "writeValue":"",
"Timestamp":"" }, { "token":"", "key":"", "readValue":"", "writeValue":"", "Timestamp":"" }, {
"token":"", "key":"", "readValue":"", "writeValue":"", "Timestamp":"" }, { "token":"", "key":"",
"readValue":"", "writeValue":"", "Timestamp":"" }, { "token":"", "key":"", "readValue":"",
"writeValue":"", "Timestamp":"" } ] } }
  When the failure
```

# 11.Get transaction ID (txnId):

{"status":"0","info":"err info","data":""}

interface path: server/crtTx

Request method: get

Parameter	is required	description
cnt	optional	Quantity acquired

#### Return data description

Field	description
status	1: successful 0: failure
info	error message
data	
data[n]->txld	Transaction ID
data[n]->nonce	random number

#### Return to the sample

success

{"status":"0","info":"success","data":

 $[\{"txnID":"f0c54cdab34fc366b2e959335b88a4d49dc8e0282ed56fcf2dadd717b8be911e","Nonce":"DIaPpcvyD4HzXPRDGxuAyD9ma8rsX/Sp"\},$ 

 $\label{thm:condition} $$ \{ "txnID": "1bec40a2a1cb87641b3e73e7c67783bbe4a36c8c4f676fbdaec236ef11e75dd4", "Nonce": "bfpxru/vgWw3Rg4/L9r9HA57hqpdFsXn" \} ] $$ \end{tikzpicture} $$ \{ (txnID": "1bec40a2a1cb87641b3e73e7c67783bbe4a36c8c4f676fbdaec236ef11e75dd4", "Nonce": "bfpxru/vgWw3Rg4/L9r9HA57hqpdFsXn" \} ] $$ \end{tikzpicture} $$ \end{tikzpictur$ 

When the failure

{"status":"0","info":"Parametercnt Not Numbers","data":""}

# 12.Query the list of transactions contained within the block by block number:

interface path: server/trade

Request method: get

Parameter	is required	description
method	required	Fixed fillqryTxByBlk
blk	required	block number

Field	description
info	error message
data	json
data[n]->black	Cost of a black hole
data[n]->block Num	block number
data[n]->chain code	token abbreviation
data[n]->facc	out account
data[n]->tacc	in account
data[n]->mine rNormal	normal miner
data[n]->mine rSuper	super miner
data[n]->amo unt	Transaction quantity (excluding commission)
data[n]->time	Time (string)
data[n]->auth ority_sign	Forensic identification number (possibly empty)
data[n]>type	Transaction type 1 represents token release deduction fee, 0 represents normal transfer
data[n]->sMin erFee	Super miner's fee
data[n]->nMin erFee	Ordinary miner's fee
data[n]->rema rk	Transfer note
data[n]->error	error message
data[n]->statu s	0,3processing 1success 2fail

```
{ "status":"0", "info":"", "data":[ { "authority sign":"16b2eaad72090ecfdf03cc38bb44bc07",
"black":"0.1000000000", "blockNum":"191", "chaincode":"dm",
"error": "MVCC READ CONFLICT",
"facc": "0xbd0f20927c86ee910961d0e98db20d8760464461", "invokeTime": "2018-05-29
09:02:08", "minerNormal": "0xd56f93963ebe0811837c2348ee8aac26213f8928",
"minerSuper": "0x468a2acc04a9d01f462eae7e155d7a8bdf2694d4",
"nMinerFee": "0.4500000000", "remark": "lui9rOi0pil=", "sMinerFee": "0.4500000000",
"status":"2", "tacc":"0x8fc2e72e0532d50addd67ca3bf120f645d9f9239",
"transAmou": "0.9900000000",
"txId":"3a0e45ea6f70f03ef383f4baa9b02001f374bbf422cb14189cdc19d6a2ae7303" }, {
"authority sign":"102d7aeac4b3e48cb80579ccc17cc8e8", "black":"0.1000000000",
"blockNum":"191", "chaincode":"dm", "error":"MVCC READ CONFLICT",
"facc": "0xbd0f20927c86ee910961d0e98db20d8760464461", "invokeTime": "2018-05-29
09:02:08", "minerNormal": "0xcef4031161eb96e911551352e1008d0739c1cb17",
"minerSuper": "0x4a8a0b617187c3b5355705af3e48107705b40c01",
"nMinerFee": "0.4500000000", "remark": "lui9rOi0pil=", "sMinerFee": "0.4500000000",
"status":"2", "tacc":"0x8fc2e72e0532d50addd67ca3bf120f645d9f9239",
"transAmou": "0.9900000000",
"txId":"762055edc9844b9ba1186570217c05d68fc7e321cf18c5079360959b5c6f869d" }, {
"authority sign":"8f4c4dbf86ba51cddfd179ecf716579f", "black":"0.1000000000",
"blockNum":"191", "chaincode":"dm", "error":"VALID",
"facc": "0xbd0f20927c86ee910961d0e98db20d8760464461", "invokeTime": "2018-05-29
09:02:08", "minerNormal": "0xad846479c9db19d1dc42e6decd9b38a6ab3967c9",
"minerSuper": "0x22dcf8e4113af996c7bd5c91ff0162f4b0c85f54",
"nMinerFee": "0.4500000000", "remark": "lui9rOi0pil=", "sMinerFee": "0.4500000000",
"status":"1", "tacc":"0x8fc2e72e0532d50addd67ca3bf120f645d9f9239",
"transAmou": "0.9900000000",
When the failure
```

{"status":"0","info":"Parameterblk Do not empty","data":""}

# 13. Query token mining revenue list:

interface path: server/tokenawdlist

Request method: get

Parameter	is required	description
token	required	token abbreviation
acc	required	account

Field	description
status	1: successful 0: failure
info	error message
data	
data[n]->draw_earnings	Mining earnings
data[n]->draw_time	Mining time

success

```
{"status":"1","info":"","data":[{"draw_earnings":"44378.0817480000","draw_time":"2018-06-16"},{"draw_earnings":"0","draw_time":"2018-05-25"},
{"draw_earnings":"19711.5374178424","draw_time":"2018-06-16"}]}
```

When the failure

{"status":"0", "info": "signatureCheck failure! ", "data": ""}

# 14. Query token mining proceeds available:

**interface path**: server/awardpreview

Request method: get

Parameter	is required	description
token	required	token abbreviation
acc	required	account

#### Return data description

Field	description	
status	1: successful 0: failure	
info	error message	
data	Earnings numerical	

success

{"status":"1","info":"","data":"100"}

When the failure

{"status":"0","info":"","data":""}

# 15. Token mining earnings claim:

interface path: server/award

Request method: get

Parameter	is required	description
txid	required	Transaction ID
nonce	required	random number
acc	required	account
СС	required	token abbreviation
sign	required	signature

## Return data description

Field	description	
status	1: successful 0: failure	
info	error message	
data		

## **Return to the sample**

success

{"status":"1","info":"","data":""}

When the failure

{"status":"0", "info": "signature Check failure! ", "data": ""}

# 16. Query token mining yield details:

interface path: server/tokenawddetail

# Request method: get

Parameter	is required	description
txid	required	Transaction ID
nonce	required	random number
acc	required	account
СС	required	token abbreviation
sign	required	signature

# Return data description

Field	description
status	1: successful 0: failure
info	error message
data	
undraw_earnings	Uncollected income
draw_earnings	Received income
mineral	Annualized automatic mining percentage
period	Mortgage cycle (month, no mortgage)
period_end	End of mortgage (empty if unsecured)
awardlist	Reward list

```
success
{"status":"1","info":"","data":
{"undraw_earnings":"0","draw_earnings":"0.000000000","mineral":"10","awardlist":[]}}
When the failure
{"status":"0","info":"signatureCheck failure! ","data":""}
```