

1. Integration Guidance

Integrate URLs

REST API

Trading: <https://api1.btloginc.com:9081>

Heartbeat API calls, sent once every 20 seconds, are required to maintain the connection for trading and market charts.

Generate API Key

You can generate API Key here.

API Key includes these two parts:

- Secret Key: Key used for signature authentication encryption (only visible during application)
- API Key: Has access to all features, including trading and market quotes.

These two keys are related to account security and should not be disclosed to anyone else at any time.

Signature Steps

1. Sort parameter names in ASCII order. For example, the following is the original order of the request parameters, after encoding

```
accountid=142&token=00000011391572680255209&sign=1243
```

UTF-8 encoding and URI encoding are used. Hexadecimal characters must be capitalised, e.g. ":" is encoded as "%3A" and spaces are encoded as "%20".

2. After sorting, the final string for signature calculation is composed as follows:

```
accountid=142&secret_key=e8d24af2-1274-4fa1-a666-5a4ca7740afd&token=00000011391572680255209
```

Secret key is the authentication key, which is assigned when the API is created in the API management interface.

3. Using the "request string" generated in the previous step, including your Secret Key, call the md5 hash function to obtain the hash value.

4. Add the generated digital signature to the request's path parameters. Ultimately, the API request sent to the server should be:

```
accountid=142&token=00000011391572680255209&sign= ba776fe2074bf6a8cf79500f72e6804e
```

Add the digital signature to the path parameter after URL encoding, with the parameter name "sign".

Request Format

All API requests are sent as GET or POST requests. For GET requests, all parameters are in the path parameters; for POST requests, all parameters are in the path parameters.

Return Format

All API returns are in JSON format. At the top level of the JSON format, there are several fields indicating the status and attributes of the request: "code" and "msg". The other fields are the returned content. When the code equals 0 it indicates success; code not equal to 0 means failure. Msg is the specific error message.

2. Trading API

Login

POST /v1/user/login

Parameters:

Name	Type	Required	Description
user_name	String	Yes	Email address or mobile number
password	String	Yes	Password
company_id	Uint32	Yes	Company ID (Default: 1)
api_key	String	Yes	API access key
sign	String	Yes	Authentication key

Response:

```
{
  "token": "00000013411571637727917",
  "account": {           // Account details

```

```

"id": 320,           // Account ID
"userid": 1341,     // User ID
"account_groupid": 13, // Account group ID
"balance": 0,       // Account balance
"equity": 0,        // Account net value
"margin": 0,        // Margin
"free_margin": 0,   // Free margin
  "margin_level": 0, // Account margin level
  "margin_stopout": 0, // Account margin liquidation level
"account_no": "86000402", // Account number
"positions": 0,     // Number of positions
"bonus": 0.0,       // Coupon
"status": 0         //Status (0: Normal, 1: Delete)
},
"server_time": 1571637727, // Server time
"code": 0,           // 0:success !0:failed
"msg": "Login Success" //Details description
}

```

Heartbeat

GET /v1/user/keepalive

Parameters:

Name	Type	Required	Description
token	String	Yes	The token returned after logging in
accountid	Uint64	No	Account ID
sign	String	Yes	Authentication key

Response:

```

{
  "accountid": 320, //Account ID
  "server_time": 0, //Server time
  "code": 0,       //0:success !0:failed
  "msg": ""
}

```

Access list of products

GET /v1/config/symbolist

Parameters:

Name	Type	Required	Description
token	String	Yes	The token returned after logging in
account_group_id	Uint64	No	Account group ID
sign	String	Yes	Authentication key

Response:

```
{
  "symbols": [
    {
      "id": 364,           //Product ID
      "uuid": 1148,      //uuid, get the latest product attributes based on this uuid

      "name": "GWFX/USDT/GTS/MM/MIN/0/A/BTCUSDT5x", //Product name
      "enable": false,   // Is the product delisted
      "digits": 2,       // Number of decimal places
      "volumes_min": 0.01, // Minimum order quantity
      "volumes_step": 0.01, // Step size
      "volumes_max": 10, // Maximum order quantity
      "base_currency": "BTC", //Base currency
      "profit_currency": "USDT", //Profit currency
      "margin_currency": "USDT", //Margin currency
      "tradable": 1,     // Is the product tradable (0: No, 1: Yes, 2: Only buy, 3: Only sell)
      "start_time": 1567995643, // Product start time
      "expiry_time": 1567996380, // Product end time
      "create_time": 1567996380, // Product creation time
      "status": 0,       //Product status (0: Normal,1: Delete)
      "contract_size": 1, //Contract size
      "symbol_margin_level": [
        {
          "symbol_id": 599,
          "range_min": 0,
          "range_max": 20,
          "margin_initial": 32000.12,
          "margin_maintenance": 32000,
          "margin_stopout": 9600,
          "margin_hedged": 100,
          "special_margin_initial": 0,
          "special_margin_maintenance": 0,
          "special_margin_stopout": 0,
          "special_margin_hedged": 0,
          "holiday_margin_initial": 1600,
          "holiday_margin_maintenance": 1600,
          "holiday_margin_stopout": 480,
          "holiday_margin_hedged": 25,
          "create_time": 1571658525,
          "create_user_id": 2,
          "modi_time": 1665455763,
        }
      ]
    }
  ]
}
```

```

    "modi_user_id": 2,
    "status": 0
  }
],
"commissions": [
  {
    "symbol_id": 599,
    "commission_rebate": 0,
    "trigger_mode": 2,
    "type": 1,
    "method": 1,
    "range_min": 0.001,
    "range_max": 999999,
    "value": 0.18,
    "currency_type": 0,
    "currency": "USDT",
    "comment": "",
    "status": 0
  }
],
"long_swap": 1.0,      //Long order interest
"short_swap": 1.0,    //Short order interest
"stop_level": 1,      //Minimum range for take profit and stop loss
"maxstop_level": 1,   //Maximum range for take profit and stop loss
"three_days_swap": 1 //Holiday interest
"pips_ratio": 1,
"spread": 0,
"spread_balance": 0,
"range_init": 0,
"code_id": 1430475842,
"position_volumes_max": 40,
"margin_initial": 0,
"calc_margin_type": 2,
"default_first": 0,
"volumes_list": "0.1;0.5;1;20",
"max_pos_value": 0,
"gap_value": 0
}
],
"code": 0,           //0:success !0:failed
"msg": ""
}

```

Access account group information

GET /v1/config/accountgroup

Parameters:

Name	Type	Required	Description
token	String	Yes	The token returned after logging in
account_groupid	Uint64	Yes	Account group ID
sign	String	Yes	Authentication key

Responses:

```
{
  "account_group": {      //Account group details

    "companyid": 0,      //Company ID
    "currency": "string", //Account group currency
    "enable": true,      // Is account group enabled
    "id": 0,             // Account group ID
    "margin_call_level": 0, // Margin call level
    "name": "string",    // Account group name
    "platform": "string", //Platform
    "status": 0,         //Account group status (0: Normal, 1: Delete)
    "stop_out_level": 0  //Liquidation level
    "digits": 2         //Number of decimal places

  },
  "code": 0,
  "msg": "string"
}
```

Access position list

GET /v1/account/positionlist

Parameters:

Name	Type	Required	Description
token	String	Yes	The token returned after logging in
accountid	Uint64	Yes	Account ID
symbol	String	No	Product name
id	Sint64	No	Position ID

pageNo	Int	Yes	Current page number
pageSize	Int	Yes	Number of items per page
sign	String	Yes	Authentication key

Responses:

```

{
  "code": 0,
  "msg": "string",
  "positions": [
    {
      "accountid": 0,           //Account ID
      "close_price": 0,        // Closing price
      "close_time": 0,        // Closing time
      "commission": 0,         // Trading fee required
      "direction": 0,         // Order direction (1: Buy, 2: Sell)
      "exec_commission": 0,    // Actual trading fee
      "exec_price": 0,         // Fill price
      "exec_profit": 0,        // Fill profit/loss
      "exec_swap": 0,         //Funding fee
      "exec_time": 0,         // Fill time
      "exec_volume": 0,        // Fill amount
      "groupid": 0,           // Account group ID
      "id": 0,                // Position ID
      "init_volume": 0,       // Initial position size requested
      "msg": "string",
      "open_price": 0,        // Opening price
      "open_time": 0,         // Opening time
      "order_refid": 0,       // Reserved for client usage.
      "profit": 0,            // Position profit and loss
      "rate": 0,              //The exchange rate when the positions were last
      opened/closed/modified
      "ref_accid": 0,         // Reserved for client usage.
      "status": 0,           // Status (0: Initial, 1: Opened position, 2: Closed)
      "stop_loss": 0,        // Stop loss
      "swap": 0,             // Position interest
      "symbol": "string", // Product name
      "take_profit": 0,      // Take profit
      "volume": 0            //Amount
      "deal_id": 0           //Fill order ID
      "open_margin": 0.0     //Margin ratio
      "multiple": 0         // Leverage
    }
  ],
  "total": 1                //Total number of records
}

```

Access account information

GET /v1/account/account

Parameters:

Name	Type	Required	Description
token	String	Yes	The token returned after logging in
accountid	Uint64	Yes	Account ID
sign	String	Yes	Authentication key

Responses:

```
{
  "account": {
    //Account details
    "account_groupid": 0, // Account group ID
    "account_no": "string", // Account number
    "balance": 0, // Account balance
    "equity": 0, // Account net value
    "free_margin": 0, // Account free margin
    "id": 0, // Account ID
    "margin": 0, // Account margin
    "margin_level": 0, // Account margin level
    "margin_stopout": 0, // Margin liquidation level
    "positions": 0, // Number of positions
    "bonus": 0, // Coupon
    "status": 0, // Status (0: Normal, 1: Delete)
    "userid": 0
  },
  "code": 0,
  "msg": "string"
}
```

Open position

POST /v1/account/openposition

Parameters:

Name	Type	Required	Description
------	------	----------	-------------

token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
direction	uint32	Yes	Order direction (1: Buy, 2: Sell)
symbol	string	Yes	Product name
request_volume	double	Yes	Requested quantity
request_price	double	Yes	Request price
refid	uint64	No	Reserved for client usage
ref_accid	uint64	No	Reserved for client usage
stop_loss	double	No	Stop loss
take_profit	double	No	Take profit
multiple	uint16	Yes	Leverage
sign	string	Yes	Authentication key

Responses:

```
{
  "code": 0,
  "msg": "string",
  "position": {
    // Position details returned after placing an order
    "accountid": 0, // Account ID
    "close_price": 0, // Closing price
    "close_time": 0, // Closing time
    "commission": 0, // Trading fee
    "direction": 0, // Order direction (1: Buy, 2: Sell)
    "exec_commission": 0, // Actual trading fee
    "exec_price": 0, // Fill price
    "exec_profit": 0, // Fill profit/loss
    "exec_swap": 0, // Funding fee
    "exec_time": 0, // Fill time
    "exec_volume": 0, // Fill amount
    "groupid": 0, // Account group ID
    "id": 0, // Position ID
  }
}
```

```

"init_volume": 0,           // Initial position size requested
"msg": "string",
"open_price": 0,           // Opening price
"open_time": 0,           // Opening time
"order_refid": 0,         // reserved for client usage.
"profit": 0,              // Position profit and loss
"rate": 0,                //The exchange rate when the positions were last
opened/closed/modified
"ref_accid": 0,           // reserved for client usage.
"status": 0,              // Status (0: initial, 1: holding position, 2: closed)
"stop_loss": 0,          // Stop loss
"swap": 0,                // Position interest
"symbol": "string", //Product name
"symbolid": 0,            // Product ID
"take_profit": 0,        // Take profit
"volume": 0,             //Amount
  "open_margin": 0.0,     // Opening margin
  "multiple": 2,          //Leverage
  "pos_type": 1           //1. Open position 2. Open position for lead trading 3. Open position
from copy trading
}
}

```

Close position at market price

POST /v1/account/closeposition

Parameters:

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
positionid	uint64	Yes	Position ID when closing a position. Not required when opening a position.
direction	uint32	Yes	Order direction (1: Buy, 2: Sell)
symbol	string	Yes	Product name
request_volume	double	Yes	Request volume

request_price	double	Yes	Request price
refid	uint64	No	reserved for client usage.
sign	string	Yes	Authentication key

Responses:

```
{
  "code": 0,
  "msg": "string",
  "position": { //Position details returned
    "accountid": 0, //Account ID
    "close_price": 0, // Closing price
    "close_time": 0, // Closing time
    "commission": 0, // Trading fee
    "direction": 0, //Order direction (1: Buy, 2: Sell)
    "exec_commission": 0, // Actual trading fee
    "exec_price": 0, // Fill price
    "exec_profit": 0, // Fill profit/loss
    "exec_swap": 0, // Funding fee
    "exec_time": 0, //Fill time
    "exec_volume": 0, //Fill amount
    "groupid": 0, // Account group ID
    "id": 0, // Position ID
    "init_volume": 0, // Initial position size requested
    "msg": "string",
    "open_price": 0, // Opening price
    "open_time": 0, // Opening time
    "order_refid": 0, // reserved for client usage.
    "profit": 0, // Position profit and loss
    "rate": 0, //The exchange rate when the positions were last
opened/closed/modified
    "ref_accid": 0, // reserved for client usage.
    "status": 0, // Status (0: initial, 1: holding position, 2: closed)
    "stop_loss": 0, // Stop loss
    "swap": 0, // Position interest
    "symbol": "string", //Product name
    "symbolid": 0, // Product ID
    "take_profit": 0, // Take profit
    "volume": 0, //Amount
      "open_margin": 0.0, //Opening margin
      "multiple": 2, // Leverage
      "pos_type": 1 //1. Open position 2. Open position for lead trading 3. Open position
from copy trading
  }
}
```

Modify positions

POST /v1/account/updateposition

Parameters:

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
id	uint64	Yes	Position ID
stop_loss	double	Yes	Stop loss
take_profit	double	Yes	Take profit
symbol	string	Yes	Product name
sign	string	Yes	Authentication key

Responses:

```
{
  "code": 0,
  "msg": "string",
  "position": {
    //Position details returned
    "accountid": 0, //Account ID
    "close_price": 0, // Closing price
    "close_time": 0, // Closing time
    "commission": 0, // Trading fee
    "direction": 0, //Order direction (1: Buy, 2: Sell)
    "exec_commission": 0, // Actual trading fee
    "exec_price": 0, // Fill price
    "exec_profit": 0, // Fill profit/loss
    "exec_swap": 0, //Funding fee
    "exec_time": 0, //Fill time
    "exec_volume": 0, //Fill amount
    "groupid": 0, // Account group ID
    "id": 0, // Position ID
    "init_volume": 0, // Initial position size requested
    "msg": "string",
    "open_price": 0, // Opening price
    "open_time": 0, // Opening time
    "order_refid": 0, // reserved for client usage.
  }
}
```

```

"profit": 0, // Position profit and loss
"rate": 0, //The exchange rate when the positions were last
opened/closed/modified
"ref_accid": 0, // reserved for client usage.
"status": 0, // Status (0: initial, 1: holding position, 2: closed)
"stop_loss": 0, // Stop loss
"swap": 0, // Position interest
"symbol": "string", //Product name
"symbolid": 0, // Product ID
"take_profit": 0, // Take profit
"volume": 0, //Amount
"open_margin": 0.0, //Opening margin
"multiple": 2, // Leverage
"pos_type": 1 //1. Open position 2. Open position for lead trading 3. Open position
from copy trading
}
}

```

Pending orders

POST /v1/account/openpending

Parameters

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
direction	uint32	Yes	Order direction (1: Buy, 2: Sell)
type	uint32	Yes	1. Limit open order 2. Stop open order 3. Limit close order 4. Market SL Order 5. Market TP Order
symbol	string	Yes	Product name
request_volume	double	Yes	Request volume
request_price	double	Yes	Request price

stop_loss	double	No	Stop-loss price When type is 4 or 5 and is not 0, market SL order will be opened.
take_profit	double	No	Take-profit price When type is 4 or 5 and is not 0, market TP order will be opened.
multiple	Uint16	Yes	Leverage
positionid	Uint32	No	When type is 3, 4, or 5, positionid cannot be 0.
sign	string	Yes	Authentication key

Responses:

```
{
  "code": 0,
  "msg": "string",
  "order": {
    //Order details returned
    "accountid": 0, // Account ID
    "direction": 0, // Order direction (1: Buy, 2: Sell)
    "execute_price": 0, // Fill price
    "execute_time": 0, // Fill time
    "execute_volume": 0, // Fill amount
    "expire_time": 0, // Settlement time
    "expire_type": 0, // Settlement type: Initial: 0; Perpetual: 3
    "groupid": 0, // Account group ID
    "id": 0, // Order ID
    "init_volume": 0, // Initial position size requested
    "request_price": 0, // Requested price
    "request_time": 0, // Requested time
    "request_volume": 0, // Requested quantity
    "status": 0, // Status (0: initial, 1: pending order placed, 2: Order execution triggered, 4: Partial
order execution triggered, 5: cancelled, 6: declined)
    "stop_loss": 0, // Stop loss price
    "symbol": "string", // Product name
    "take_profit": 0, // Take profit price
    "type": 1 //1: Limit open order, 2: Stop open order, 3: Limit close order, 4: Market SL
Order, 5: Market TP Order
    "multiple": 2 //Leverage
  }
}
```

```
}  
}
```

Modify pending orders

POST /v1/account/updatepending

Parameters:

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
id	uint64	Yes	Order ID
direction	uint32	Yes	Order direction (1: Buy, 2: Sell)
type	uint32	Yes	0: Limit pending order 1: Stop pending order
symbol	string	No	Product name
request_volume	double	Yes	Requested quantity
request_price	double	Yes	Requested price
stop_loss	double	No	Stop loss
take_profit	double	No	Take profit
sign	string	Yes	Authentication key

Response:

```
{  
  "code": 0,  
  "msg": "string",  
  "order": { //Order details returned
```

```

"accountid": 0, //Account ID
"direction": 0, // Order direction (1: Buy, 2: Sell)
"execute_price": 0, // Fill price
"execute_time": 0, // Fill time
"execute_volume": 0, // Fill amount
"expire_time": 0, // Settlement time
"expire_type": 0, // Settlement type: Initial: 0; Perpetual: 3
"groupid": 0, // Account group ID
"id": 0, // Order ID
"init_volume": 0, // Initial position size requested
"request_price": 0, // Requested price
"request_time": 0, // Requested time
"request_volume": 0, // Requested quantity
"status": 0, // Status (0: initial, 1: pending order placed, 2: Order execution triggered, 4: Partial
order execution triggered, 5: cancelled, 6: declined)
"stop_loss": 0, // Stop loss
"symbol": "string", //Product name
"take_profit": 0, // Take profit
"type": 1 //1: Limit open order, 2: Stop open order, 3: Limit close order, 4: Market SL
Order, 5: Market TP Order
"multiple": 2 //Leverage
}
}

```

Cancel pending orders

POST /v1/account/cancelpending

Parameters:

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
id	uint64	Yes	Order ID
sign	string	Yes	Authentication key

Responses:

```

{
"code": 0,

```



```

"msg": "string",
"order": {
  "accountid": 0, //Account ID
  "direction": 0, // Order direction (1: Buy, 2: Sell)
  "execute_price": 0, // Fill price
  "execute_time": 0, // Fill time
  "execute_volume": 0, // Fill amount
  "expire_time": 0, // Settlement time
  "expire_type": 0, // Settlement type: Initial: 0; Perpetual: 3
  "groupid": 0, // Account group ID
  "id": 0, // Order ID
  "init_volume": 0, // Initial position size requested
  "request_price": 0, // Requested price
  "request_time": 0, // Requested time
  "request_volume": 0, // Requested quantity
  "status": 0, // Status (0: initial, 1: pending order placed, 2: Order execution triggered, 4: Partial
order execution triggered, 5: cancelled, 6: declined)
  "stop_loss": 0, // Stop loss
  "symbol": "string", //Product name
  "take_profit": 0, // Take profit
  "type": 1 //1: Limit open order, 2: Stop open order, 3: Limit close order, 4: Market SL
Order, 5: Market TP Order
  "multiple": 2 //Leverage
}
}

```

Access the list of executed orders of the day

GET /v1/account/dealTodayList

Parameters:

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
id	uint64	No	Fill order ID
sign	string	Yes	Authentication key

Response:

```

{
{
"code": 0,
"msg": "string",
"settlement_time": 0,
"orders": [
{
"accountid": 0, // Account ID
"groupid": 0, // Account group ID
"direction": 1, // Direction: 1=Buy; 2=Sell
"exec_price": 0, //Fill price
"exec_time": 0, //Fill time
"exec_volume": 0, //Fill amount
"id": 0, // Account ID
"positionid": 0, // Position ID
"profit": 0, // Position profit and loss
"reason": 0, // 1-Open position 2-Close position
"src_price": 0, //Opening price
"src_time": 0, //Opening time
"src_volume": 0, //Open position amount
"status": 0, //Status
"swap": 0, //Position interest
"symbol": "string", //Product name
"order_type": 0, //(1: Open position at market price; 2: Open position at limit price; 3: Open
position at stop limit price; 4,5,6,8,9: Close position; 7: Forced liquidation; 12: Modify position)
"commission": 0.0, //Trading fee
"multiple": 0 //Leverage
}
]
}
}

```

Access P/L list of the day

GET /v1/account/profitTodayList

Parameters:

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
id	uint64	No	Fill order ID
sign	string	Yes	Authentication key

Response:

```

{
{
"code": 0,
"msg": "string",
"settlement_time": 0,
"orders": [
{
"accountid": 0, // Account ID
"groupid": 0, // Account group ID
"direction": 1, // Direction: 1=BUY; 2=SELL
"exec_price": 0, //Fill price
"exec_time": 0, //Fill time
"exec_volume": 0, //Fill amount
"id": 0, // Account ID
"positionid": 0, // Position ID
"profit": 0, // Position profit and loss
"reason": 0, // 1-Open position; 2-Close position
"src_price": 0, //Opening price
"src_time": 0, //Opening time
"src_volume": 0, //Open position amount
"status": 0, //Status
"swap": 0, //Position interest
"symbol": "string", //Product name
"order_type": 0, //(1: Open position at market price; 2: Open position at limit price; 3: Open
position at stop limit price; 4,5,6,8,9: Close position; 7: Forced liquidation; 12: Modify position)
"commission": 0.0, //Trading fee
"multiple": 0 //Leverage
}
]
}
}

```

Access list of pending orders

GET /v1/account/orderList

Parameters:

Name	Type	Required	Description
token	string	Yes	The token returned after logging in
accountid	uint64	Yes	Account ID
id	uint64	No	Pending order ID
sign	string	Yes	Authentication key

Response:

```
{
  "code": 0,
  "msg": "string",
  "orders": [
    {
      "accountid": 0,      // Account ID
      "direction": 0,     // Order direction (1: Buy, 2: Sell)
      "execute_price": 0, // Fill price
      "execute_time": 0,  // Fill time
      "execute_volume": 0, // Fill amount
      "expire_time": 0,   // Settlement time
      "expire_type": 0,   // Settlement type: Initial: 0; Perpetual: 3
      "groupid": 0,       // Account group ID
      "id": 0,            // Order ID
      "init_volume": 0,   // Initial position size requested
      "request_price": 0, // Requested price
      "request_time": 0,  // Requested time
      "request_volume": 0, // Requested quantity
      "status": 0,        // Status (0: initial, 1: pending order placed, 2: Order execution triggered, 4: Partial
order execution triggered, 5: cancelled, 6: declined)
      "stop_loss": 0,     // Stop loss
      "symbol": "string", //Product name
      "take_profit": 0,   // Take profit
      "type": 0           //1: Limit open order, 2: Stop open order, 3: Limit close order, 4: Market SL
Order, 5: Market TP Order
      "multiple": 2       //Leverage
    }
  ]
}
```

3. Check transaction history

Request P/L history

GET /v1/user/ getProfitReport

Parameters:

Name	Type	Required	Description
token	String	Yes	token
beginTime	uint64	No	Start time
endTime	uint64	No	End time
pageNo	Int	Yes	Page number
pageSize	int	Yes	Number of items per page
orderId	string	No	Order ID of a particular order
symbol	string	No	Product
orderType	Int32	No	Order type
openDirection	Int32	No	Order direction 1: Buy 2: Sell
contractType	Int32	No	Contract type 1 or no return value: USDT-margined 2: Coin-margined
sign	string	Yes	Authentication key

Responses:

```
{
  "list": [
    {
      "dealId": "10000033", //Transaction ID
      "symbol": "GWFX/USD/GTS/MM/STD/0/A/BCHUSD", //Product
      "orderType": 1, //Order type
      "openDirection": "BUY", //Open order direction
      "openPrice": 132.1, //Open order price
      "tradeVolume": 0.1, //Close order size
      "tradePrice": 132.1, //Close order price
      "digits": 2, //Number of decimal places
      "swap": 0, //Interest
      "commission": 0, //Trading fee
      "profit": 0, //Profit and loss
      "openNo": "10000013" //Position number
      "openTime": 0 //Open order time
      "tradeTime": 0 //Close order time
      "remark": "" //Remarks
      "multiple": 10 //Leverage
      "productName": "btc" //Product name
      "currency": "usdt" //Currency
    },
    {
      "dealId": "10006593",
      "symbol": "GWFX/USDT/GTS/MM/STD/0/A/ETHUSDT5x",
      "orderType": 1,
      "openDirection": "BUY",
      "openPrice": 162.87,
      "tradeVolume": 0.1,
      "tradePrice": 196.69,
      "digits": 2, //Number of decimal places
      "swap": 0,
      "commission": 0,
      "profit": 3.38,
      "openNo": "10002849"
      "openTime": 0 //Open order time
      "tradeTime": 0 //Close order time
      "remark": "" //Remarks
      "multiple": 10 //Leverage
      "productName": "btc" //Product name
      "currency": "usdt" //Currency
    }
  ],
  "pageNo": 1, //Page number
  "pageSize": 2, // Number of items per page
  "totalSize": 10, //Total number of records
  "totalPage": 0, //Total number of pages
  "subTradeVolume": 0, //Close order size - Subtotal
  "subSwap": 0, //Interest - Subtotal
  "subProfit": 0, //Profit and loss - Subtotal
  "subCommission": 0, //Trading fee - Subtotal
  "totalTradeVolume": 0, //Close order size - Total
  "totalSwap": 0, //Interest - Total
  "totalProfit": 0, //Profit and loss - Total
}
```

```

"totalCommission": 0, //Trading fee - Total
"code": 0, //Return code
"msg": "SUCC" //Return description
}

```

Request transaction history

GET /v1/user/ getTradeReport

Parameters:

Name	Type	Required	Description
token	String	Yes	token
beginTime	uint64	No	Start time
endTime	uint64	No	End time
pageNo	Int	Yes	Page number
pageSize	int	Yes	Number of items per page
orderId	string	No	Order ID of a particular order
symbol	string	No	Product
orderType	Int32	No	Order type 1,2,4,16,32 = Market, limit, stop, stop-loss, take profit
direction	Int32	No	Order direction 1: Buy 2: Sell
contractType	Int32	No	Contract type 1 or no return value: USDT-margined

			2: Coin-margined
reportType	string	No	Transaction type OPEN: Open position CLOSE: Close position
sign	string	Yes	Authentication key

Responses:

```
{
  "list": [
    {
      "execTime": 1551258517000, //Trading time
      "dealId": "10000030", //Transaction ID
      "symbol": "GWFX/USD/GTS/MM/STD/0/A/BTCUSD", //Product
      "orderType": 1, //Order type
      "reportType": "OPEN", //Contract type
      "direction": "BUY", //Direction
      "execPrice": 3810.4, //Fill price
      "execVolume": 1, //Fill amount
      "positionId": "10000012", //Position ID
      "commission": 0, //Commission
      "remark": "", //Remarks
      "digits": 2 //Number of decimal places

      "multiple": 10 //Leverage
      "productName": "" //Product name
      "currency": "" //Currency
      "stoploss": "" //Stop loss
      "takeprofit": "" //Take profit
      "profit": "" //Profit and loss
      "stoptime": 0 //Set TP/SL time
      "openmargin": "" //Margin for opening position
      "openPrice": "" //Open order price
      "closePrice": "" //Closing price
      "swap": "" //Interest
    },
    {
      "execTime": 1551258517000, //Trading time
      "dealId": "10000030", //Transaction ID
      "symbol": "GWFX/USD/GTS/MM/STD/0/A/BTCUSD", //Product
      "orderType": 1, //Order type
      "reportType": "OPEN", //Contract type
      "direction": "BUY", //Direction
      "execPrice": 3810.4, //Fill price
      "execVolume": 1, //Fill amount
      "positionId": "10000012", //Position ID
      "commission": 0, //Commission
      "remark": "" //Remarks
    }
  ]
}
```



```

"digits": 2 //Number of decimal places

"multiple": 10 //Leverage
"productName": "" //Product name
"currency": "" //Currency
"stoploss": "" //Stop loss
"takeprofit": "" //Take profit
"profit": "" //Profit and loss
"stoptime": 0 //Set TP/SL time
"openmargin": "" //Margin for opening position
"openPrice": "" //Open order price
  "closePrice": "" //Closing price
"swap": "" //Interest

}
],
"subtotalVolume": 1, //Subtotal
"totalVolume": 5, //Total
"pageNo": 1, //Page number
"pageSize": 2, // Number of items per page
"totalPage": 1, //Total number of pages
"totalSize": 10, //Total number of records
"code": 0, //Return code
"msg": "SUCC" //Return description
}

```

Request pending order history

GET /v1/user/ getHisOrder

Parameters:

Name	Type	Required	Description
token	String	Yes	token
accountNo	String	Yes	Account
beginTime	uint64	No	Start time
endTime	uint64	No	End time
pageNo	Int	Yes	Page number
pageSize	int	Yes	Number of items per page
direction	Int32	No	Order direction 1: Buy 2: Sell

orderId	string	No	Order ID of a particular order
symbol	string	No	Product
status	Int32	No	Status
contractType	string	No	Contract type 1 or no return value: USDT-margined 2: Coin-margined
sign	string	Yes	Authentication key

Responses:

```
{
  "list": [
    {
      "expireType": 1, //Settlement type: Initial: 0; Perpetual: 3
      "requestTime": 1551258517000, //Pending order time
      "orderId": 10000030, //Pending order number
      "symbol": "GWFX/USD/GTS/MM/STD/0/A/BTCUSD", //Product
      "kind": 1, //Order type
      "type": "OPEN", //Contract type
      "direction": "BUY", //Direction
      "requestVolume": "3810.4", //Order size
      "execPrice": "0.00", //Fill price
      "digits": 2, //Number of decimal places
      "requestPrice": "0.00", //Pending order price
      "status": "", //Status
      "stoploss": "0.00" //Stop loss
      "dealid": "0.00" //Transaction ID
      "exectime": 0 //Trading time
      "multiple": 10 //Leverage
      "productName": "" //Product name
      "currency": "usdt" //Currency
      "commission": "0.00" //Trading fee
    }
  ],
  "totalPage": 2, //Total number of pages
  "pageNo": 1, //Page number
  "pageSize": 2, // Number of items per page
  "totalSize": 10, //Total number of records
  "code": 0, //Return code
  "msg": "SUCC" //Return description
}
```

Request transaction details

GET /v1/user/ getReportDeal

Parameters:

Name	Type	Required	Description
token	String	Yes	token
accountNo	String	Yes	Account
beginTime	uint64	No	Start time
endTime	uint64	No	End time
pageNo	Int	Yes	Page number
pageSize	int	Yes	Number of items per page
amountType	string	No	Asset type: Money = Account balance Bonus = Coupon
currency	string	No	Currency
sign	string	Yes	Authentication key

Responses:

```
{
  "list": [
    {
      "joinTime": 1551258494000, //Time
      "reportType": 102, //Item
      "amountSrc": 0, //Amount before change
      "amountDst": 146900, //Amount after change
      "income": 146900, //Amount of deposit made
      "expenditure": 146900, //Amount of withdrawal made
      "proposalno": "TD190227A00638", //Transaction number
      "remark": "N/A" //Remarks
      "adjustSubType": "" //Sub type
      "coinType": "" //Not in use
      "dealType": "" //Not in use
      "currency": "" //Not in use
    },
    {
      "joinTime": 1551258494000, //Time
      "reportType": 102, //Item
```

```

"amountSrc": 0, //Amount before change
"amountDst": 146900, //Amount after change
"income": 146900, //Amount of deposit made
  "expenditure": 146900, //Amount of withdrawal made
"proposalno": "TD190227A00638", //Transaction number
"remark": "N/A" //Remarks
  "adjustSubType": "" //Sub type
  "coinType": "" //Not in use
  "dealType": "" //Not in use
  "currency": "" //Not in use
}
],
"totalIncome": "", //Total amount of deposit made
  "totalExpenditure": "", //Total amount of withdrawal made
"subIncome": "0", //Subtotal amount of deposit made
"subExpenditure": "0", //Subtotal amount of withdrawal
made
"pageNo": 1, //Page number
"pageSize": 2, // Number of items per page
"totalPage": 1, //Total number of pages
"totalSize": 10, //Total number of records
"code": 0, //Return code
"msg": "SUCC" //Return description
}

```

Request product introduction

GET /v1/user/ getSymbolDetail

Parameters:

Name	Type	Required	Description
token	String	Yes	token
symbolName	String	Yes	Product name

Responses:

```

{
  "blockQuery": "string", //Block explorer
  "content": "string", //Introduction
  "currentCount": "string", //Circulating supply
  "fundingPrice": "string", //Crowdfunding price
  "issueCount": "string", //Total issuance
  "issueDate": "string", //Issue date
  "officialWebsite": "string", //Official website
  "symbolName": "string", //Product name
  "whiteBook": "string" //White paper
}

```

```
"code": 0, //Return code
"msg": "string", //Return description
}
```

4. Check deposit and withdrawal history

Check deposit address

GET v1/mobi /QueryCoinAddress

Parameters:

Name	Type	Required	Description
GTSCodId	string	Yes	Mobile number
CurrencyCode	string	Yes	Currency
token	string	Yes	The token returned after logging in
sign	string	Yes	Authentication key

Response:

```
{
"result": 0,
"Data": {
"address": "2ND4D2mttFDYkVAv2232bS9qidb8oTSGBTr", //Deposit address
"currency": "btc" //Currency
},
"comment": ""
}
```

Access withdrawal address

GET v1/mobi/QueryCurrenyAddress

Parameters:

Name	Type	Required	Description
gts2customerid	int	Yes	Account ID (4 digits)
token	string	Yes	The token returned after logging in
sign	string	Yes	Authentication key

Responses:

```
{
  "result": 0,
  "Data": {
    "Result": "ok", //Result
    "address": "" //Withdrawal address
  },
  "comment": ""
}
```

Check deposit history (including subtotal and total data)

GET v1/mobi/QueryWithdrawalSaveRecord

Parameters

Name	Type	Required	Description
accountid	string	Yes	Account ID (4 digits)
token	string	Yes	The token returned after logging in
pageNo	int	Yes	Page number

pageSize	int	Yes	Number of items per page
begintime	int	Yes	Start time
endtime	int	Yes	End time
Reporttype	int	Yes	101: Deposit 201: Withdrawal
sign	string	Yes	Authentication key

Responses:

```

{
  "result": 0,
  "Data": [
    {
      "OrderID": "TD190319A00656",           //Transaction number
      "Time": 1552965530000,                //Time
      "AmountSrc": 81278.8,                 //Amount before trading
      "Income": 391.3,                      //Income
      "AmountDst": 81670.1                  //Amount after trading
    }
  ],
  "comment": ""
}

```

Check deposit and withdrawal history

GET v1/mobi/QueryInOutCoinRecord

Parameters:

Name	Type	Required	Description
accountNo	string	Yes	Account number Example: 86000365
token	string	Yes	The token returned after logging in
pageNo	int	Yes	Current page number
pageSize	int	Yes	Number of items per page

CoinType	int	Yes	0 = Deposit 1 = Withdrawal
sign	string	Yes	Authentication key

Response:

```
{
  "result": 0,
  "Data": [
    {
      "Currency": "USDT", //Currency
      "OrderID": "P190719A00109", //Order number
      "Volume": 100, // Amount
      "Time": 1563504912477, //Time
      "Status": "2", //Deposit and withdrawal status (2-Arrived;
        1-Processing; 0-Confiscated )
      "TradeID": "", //Transaction ID
      "commission": 1.234, //Withdrawal fees
      "ProposalStatus": "" //Request status (0: To be confirmed; 1: To be approved; 2:
        Approved; -1: Review failed; -2:Expired)
    }
  ],
  "comment": ""
}
```

Check if deposit and withdrawal are supported

GET v1/mobi /QueryInOutCoin

Parameters:

Name	Type	Required	Description
currencyCode	string	Yes	Currency
token	string	Yes	The token returned after logging in
sign	string	Yes	Authentication key

Responses:

```
{
  "result": 0,
  "Data": {
    "EnableAddCoin": true,           //Is crypto deposit supported
    "EnableOutCoin": true          //Is crypto withdrawal supported
  },
  "comment": ""
}
```

Check deposit and withdrawal fees

v1/mobi /QueryInOutCoinFee

Parameters:

Name	Type	Required	Description
currencyCode	string	Yes	Currency
token	string	Yes	The token returned after logging in
sign	string	Yes	Authentication key

Responses:

```
{
  "result": 0,
  "Data": {
    "FeeIn": 1,           //Crypto deposit fee rate
    "FeeOut": 1.2        //Crypto withdrawal fee rate
  },
  "comment": ""
}
```