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&secret_key=e8d24af2-1274-4fa1-a666-5a4ca7740afd&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

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

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

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
```

Responses:

Name	Type	Required	Description
token	string	Yes	Token returned after login
accountid	uint64	Yes	Account ID
direction	uint32	Yes	Direction (1: Buy, 2: Sell)
symbol	string	Yes	Symbol/Product Name
request_volume	double	Yes	Requested Volume
request_price	double	Yes	Requested 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/Multiplier
sign	string	Yes	Verification Key

Response:

```
{
  "code": 0,
  "msg": "string",
  "position": {                              // Position information returned after placing
an order
    "accountid": 0,                    // Account ID
    "close_price": 0,                  // Closing price
    "close_time": 0,                   // Closing time
    "commission": 0,                   // Position commission fee
    "direction": 0,                    // Direction (1: Buy, 2: Sell)
    "exec_commission": 0,              // Executed commission fee
    "exec_price": 0,                   // Executed price
    "exec_profit": 0,                  // Executed profit/loss
    "exec_swap": 0,                    // Executed interest
    "exec_time": 0,                    // Execution time
    "exec_volume": 0,                  // Executed volume
    "groupid": 0,                      // Account group ID
    "id": 0,                           // Position ID
    "init_volume": 0,                // Initial position volume
    "msg": "string",
    "open_price": 0,                   // Opening price
    "open_time": 0,                    // Opening time
    "order_refid": 0,                  // Reserved for client usage
    "profit": 0,                       // Position profit/loss
    "rate": 0,                         // Exchange rate during the last operation
    "ref_accid": 0,                    // Reserved for client usage
    "status": 0,                       // Status (0: Initial, 1: Open, 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,                       // Volume
    "open_margin": 0.0,                // Opening margin
    "multiple": 2,                     // Product multiplier
    "pos_type": 1                      // Position type (1: Normal, 2: Lead trader, 3:
Copy trader)

},
  "sltp_orders": [
    {
      "id": 11218342,
      "groupid": 24,
      "accountid": 39640,
      "direction": 1,
      "type": 4,
      "status": 1,
      "request_volume": 0.01,
      "request_price": 110000,
      "symbol": "BTCC/USDT/TS/MM/SPC/0/A/BTCUSDT150x",
      "request_time": 1744959548,
      "execute_volume": 0,
      "execute_price": 0,
```

```
        "execute_time": 0,
        "init_volume": 0,
        "stop_loss": 0,
        "take_profit": 0,
        "expire_type": 1,
        "expire_time": 0,
        "multiple": 20,
        "pos_id": 10704210,
        "ref_id": 0
    },
    {
        "id": 11218343,
        "groupid": 24,
        "accountid": 39640,
        "direction": 1,
        "type": 5,
        "status": 1,
        "request_volume": 0.01,
        "request_price": 41000,
        "symbol": "BTCC/USDT/TS/MM/SPC/0/A/BTCUSDT150x",
        "request_time": 1744959548,
        "execute_volume": 0,
        "execute_price": 0,
        "execute_time": 0,
        "init_volume": 0,
        "stop_loss": 0,
        "take_profit": 0,
        "expire_type": 1,
        "expire_time": 0,
        "multiple": 20,
        "pos_id": 10704210,
        "ref_id": 0
    }
  ]
}
```

Close at Market Price

```
POST /v1/account/closeposition
```

Parameters:

Name	Type	Required	Description
token	string	Yes	Token returned after login
accountid	uint64	Yes	Account ID

positionid	uint64	Yes	Position ID (required for closing a position; not needed when opening)
direction	uint32	Yes	Direction (1: Buy, 2: Sell)
symbol	string	Yes	Product name
request_volume	double	Yes	Requested quantity
request_price	double	Yes	Requested price
refid	uint64	No	Reserved for client usage
sign	string	Yes	Verification key

Response:

```
{
  "code": 0,
  "msg": "string",
  "position": { // Returned position information
    "accountid": 0,              // Account ID
    "close_price": 0,            // Close price
    "close_time": 0,             // Close time
    "commission": 0,             // Position commission
    "direction": 0,              // Direction (1: Buy, 2: Sell)
    "exec_commission": 0,        // Executed commission
    "exec_price": 0,             // Executed price
    "exec_profit": 0,            // Executed profit
    "exec_swap": 0,              // Executed interest
    "exec_time": 0,              // Execution time
    "exec_volume": 0,            // Executed volume
    "groupid": 0,                // Account group ID
    "id": 0,                     // Position ID
    "init_volume": 0,            // Initial position volume
    "msg": "string",
    "open_price": 0,             // Open price
    "open_time": 0,              // Open time
    "order_refid": 0,            // Reserved for client usage
    "profit": 0,                 // Position profit
    "rate": 0,                   // Exchange rate at last operation
    "ref_accid": 0,              // Reserved for client usage
    "status": 0,                 // Status (0: Initial, 1: Open, 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,                // Volume
    "open_margin": 0.0,         // Opening margin
    "multiple": 2,              // Product multiplier
    "pos_type": 1               // Position type (1: Regular, 2: Copy Leader, 3: Copy
Follower)
  }
}
```

Update Position

```
POST /v1/account/updateposition
```

Parameters:

Name	Type	Required	Description
token	string	Yes	Token returned after login
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	Verification key

Response:

```
{
  "code": 0,
  "msg": "string",
  "position": { // Returned position information
    "accountid": 0,             // Account ID
    "close_price": 0,           // Close price
    "close_time": 0,            // Close time
    "commission": 0,            // Position commission
    "direction": 0,             // Direction (1: Buy, 2: Sell)
    "exec_commission": 0,       // Executed commission
```

```
    "exec_price": 0,          // Executed price
    "exec_profit": 0,         // Executed profit
    "exec_swap": 0,           // Executed interest
    "exec_time": 0,           // Execution time
    "exec_volume": 0,         // Executed volume
    "groupid": 0,             // Account group ID
    "id": 0,                  // Position ID
    "init_volume": 0,         // Initial position volume
    "msg": "string",
    "open_price": 0,          // Open price
    "open_time": 0,           // Open time
    "order_refid": 0,         // Reserved for client usage
    "profit": 0,              // Position profit
    "rate": 0,                // Exchange rate at the last operation
    "ref_accid": 0,           // Reserved for client usage
    "status": 0,              // Status (0: Initial, 1: Open, 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,              // Volume
    "open_margin": 0.0,       // Opening margin
    "multiple": 2,            // Product multiplier
    "pos_type": 1             // Position type (1: Regular, 2: Copy Leader, 3: Copy
Follower)
  }
}
```

Pending Order

POST /v1/account/openpending

Parameters:

Name	Type	Required	Description
token	string	Yes	Token returned after login
accountid	uint64	Yes	Account ID
direction	uint32	Yes	Direction (1: Buy, 2: Sell)
type	uint32	Yes	1: LIMIT open, 2: STOP open, 3: Limit close
symbol	string	Yes	Product name

request_volume	double	Yes	Requested quantity
request_price	double	Yes	Requested price
stop_loss	double	No	Stop loss price (if type = 4 or 5 and this value is not 0, a market stop-loss order will be created)
take_profit	double	No	Take profit price (if type = 4 or 5 and this value is not 0, a market take-profit order will be created)
multiple	Uint16	Yes	Product multiplier
positionid	Uint32	No	Must not be 0 when type is 3, 4, or 5
refid	Uint64	No	
sign	string	Yes	Verification key

Response:

```
{
 "code": 0,
 "msg": "string",
 "order": { // Returned order information
  "accountid": 0,         // Account ID
  "direction": 0,         // Direction (1: Buy, 2: Sell)
  "execute_price": 0,     // Executed price
  "execute_time": 0,      // Execution time
  "execute_volume": 0,    // Executed volume
  "expire_time": 0,       // Expiration time
  "expire_type": 0,       // Expiration type: 0 = Default, 1 = End of day, 2 = End of week, 3 = Specific time
  "groupid": 0,           // Account group ID
  "id": 0,                // Order ID
  "init_volume": 0,       // Initial requested volume
  "request_price": 0,     // Requested price
  "request_time": 0,      // Request time
  "request_volume": 0,    // Requested volume
  "status": 0,            // Status (0: Initial, 1: Pending, 2: Executed, 4: Partially Executed, 5: Cancelled, 6: Rejected)
  "stop_loss": 0,         // Stop loss price
  "symbol": "string",     // Product name
```

```
  "take_profit": 0,      // Take profit price
  "type": 1,             // Order type: 1 = LIMIT open, 2 = STOP open, 3 = Limit close, 4 = Market stop-loss, 5 = Market
take-profit
  "multiple": 2          // Product multiplier
 }
}
}
```

Take-Profit and Stop-Loss Order

```
POST /v1/account/opensltp
```
Parameters:

Name	Type	Required	Description
token	string	Yes	Token returned upon login
accountid	uint64	Yes	Account ID
symbol	string	Yes	Product name
request_volume	double	Yes	Requested quantity
stop_loss	double	No	Stop-loss price. If not 0, a market stop-loss order will be created
take_profit	double	No	Take-profit price. If not 0, a market take-profit order will be created
multiple	Uint16	Yes	Leverage multiplier of the original position
positionid	Uint32	Yes	Original position ID
refid	Uint64	No	
sign	string	Yes	Verification key

Modify Order

```
POST /v1/account/updatepending
```

Parameters:

Name	Type	Required	Description
token	string	Yes	Token returned upon login
accountid	uint64	Yes	Account ID
id	uint64	Yes	Order ID
direction	uint32	Yes	Direction (1: Buy, 2: Sell)
type	uint32	Yes	0: LIMIT order 1: STOP 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	Verification key

Response:

```
{
  "code": 0,
  "msg": "string",
  "order": {                   // Returned order information
    "accountid": 0,            // Account ID
    "direction": 0,            // Direction (1: Buy, 2: Sell)
    "execute_price": 0,        // Execution price
    "execute_time": 0,         // Execution time
    "execute_volume": 0,       // Executed volume
    "expire_time": 0,          // Expiration time
    "expire_type": 0,          // Expiration type: Initial: 0, Today: 1, This week:
2, Specific time: 3
```

```
    "groupid": 0,                  // Account group ID
    "id": 0,                       // Order ID
    "init_volume": 0,              // Initial requested volume
    "request_price": 0,            // Requested price
    "request_time": 0,             // Request time
    "request_volume": 0,           // Requested volume
    "status": 0,                   // Status (0: Initial, 1: Placed, 2: Triggered and
filled, 4: Partially filled, 5: Canceled, 6: Rejected)
    "stop_loss": 0,                // Stop-loss
    "symbol": "string",            // Product name
    "take_profit": 0,              // Take-profit
    "type": 1,                     // 1: LIMIT open, 2: STOP open, 3: LIMIT close, 4:
Market stop-loss, 5: Market take-profit
    "multiple": 2                  // Product multiplier
  }
}
```

Cancel Order

```
POST /v1/account/cancelpending
```

Parameters:

Name	Type	Required	Description
token	string	Yes	Token returned upon login
accountid	uint64	Yes	Account ID
id	uint64	Yes	Order ID
sign	string	Yes	Verification key

Response:

```
{
  "code": 0,
  "msg": "string",
  "order": {                      // Returned order information
    "accountid": 0,               // Account ID
    "direction": 0,               // Direction (1: Buy, 2: Sell)
    "execute_price": 0,           // Execution price
    "execute_time": 0,            // Execution time
    "execute_volume": 0,          // Executed volume
    "expire_time": 0,             // Expiration time
```

```
    "expire_type": 0,              // Expiration type: Initial: 0, Today: 1, This week:
2, Specific time: 3
    "groupid": 0,                  // Account group ID
    "id": 0,                       // Order ID
    "init_volume": 0,              // Initial requested volume
    "request_price": 0,            // Requested price
    "request_time": 0,             // Request time
    "request_volume": 0,           // Requested volume
    "status": 0,                   // Status (0: Initial, 1: Placed, 2: Triggered and
filled, 4: Partially filled, 5: Canceled, 6: Rejected)
    "stop_loss": 0,                // Stop-loss
    "symbol": "string",            // Product name
    "take_profit": 0,              // Take-profit
    "type": 0,                     // Order type: 1 - LIMIT Open, 2 - STOP Open, 3 -
LIMIT Close, 4 - Market Stop-loss, 5 - Market Take-profit
    "multiple": 2                  // Product multiplier
  }
}
```

GetTodayTrades

```
GET /v1/account/dealTodayList
```

Parameters:

Name	Type	Required	Description
token	string	Yes	Token returned upon login
accountid	uint64	Yes	Account ID
id	uint64	No	Execution ID
sign	string	Yes	Verification 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,            // Execution price
    "exec_time": 0,             // Execution time
    "exec_volume": 0,           // Executed volume
    "id": 0,                    // Account ID
    "positionid": 0,            // Position ID
    "profit": 0,                // Position profit/loss
    "reason": 0,                // Reason: 1 = Open, 2 = Close
    "src_price": 0,             // Opening price
    "src_time": 0,              // Opening time
    "src_volume": 0,            // Opening volume
    "status": 0,                // Status
    "swap": 0,                  // Position interest (swap)
    "symbol": "string",         // Product name
    "order_type": 0,            // Order type: 1 = Market Open, 2 = Limit Open, 3 =
Stop Open, 4/5/6/8/9 = Close, 7 = Forced Close, 12 = Modify Position
    "commission": 0.0,          // Position commission
    "multiple": 0               // Product multiplier
  }
 ]
}
```

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
```

```json
    "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
GTSCodeId	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": ""
}
```