MtGox API - Endpoints under money

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Contents

1 Authentication

Accessing the MtGox API is possible via different methods. The most common one is HTTP, but it is also possible to push API calls through the WebSocket.

Accessing the API *requires* creating an API key first. API keys can be created on the MtGox website after logging in, and for each API key, a list of rights is set by the user.

Each API key has a nonce value stored that ensures a request cannot be replayed. It is up to the implementor to ensure that the passed nonce value is ever increasing, for example by using the UNIX time as milliseconds. The nonce value is handled as 64 bits on MtGox, which means it can go up to 2^{63}.

1.1 HTTP

Pushing commands to the HTTP API involves signing the request by creating a SHA512 HMAC hash of the sent message.

2 money

This category includes various basic methods.

2.1 info

URL: `https://mtgox.com/api/2/money/info`
    Calling this method requires identification.
    The info method will return details on the currently accessed account.

2.2 idkey

URL: `https://mtgox.com/api/2/money/idkey`
    Obtain the current idkey for this account in order to receive realtime updates through the websocket.

2.3 orders

URL: `https://mtgox.com/api/2/money/orders`
    No documentation available for this method.

2.4 currency

URL: `https://mtgox.com/api/2/money/currency`
    No documentation available for this method.

2.5 ticker

URL: `https://mtgox.com/api/2/money/ticker`
    No documentation available for this method.

2.6 hotp_gen

This method is deprecated, please avoid using it!
    URL: `https://mtgox.com/api/2/money/hotp_gen`
    This method actually points to `security/hotp/gen`.

2.7 quote

This method is deprecated, please avoid using it!
    URL: `https://mtgox.com/api/2/money/quote`
    This method actually points to `money/order/quote`.

2.8 trades

This method is deprecated, please avoid using it!
    URL: `https://mtgox.com/api/2/money/trades`
    This method actually points to `money/trades/fetch`.

2.9 cancelledtrades

This method is deprecated, please avoid using it!
    URL: `https://mtgox.com/api/2/money/cancelledtrades`
    This method actually points to `money/trades/cancelled`.

2.10 depth

This method is deprecated, please avoid using it!
    URL: `https://mtgox.com/api/2/money/depth`
    This method actually points to `money/depth/fetch`.

2.11 fulldepth

This method is deprecated, please avoid using it!
    URL: `https://mtgox.com/api/2/money/fulldepth`
    This method actually points to `money/depth/full`.

3 money/bank

This group of API methods is used to manage registered bank accounts. *
In order to withdraw funds, the target bank account must be first added via
the register method. Once added, there is a delay until the bank account is
verified and confirmed by our staff.

3.1 register

URL: `https://mtgox.com/api/2/money/bank/register`
    Calling this method requires to be identified with an API key with the
withdraw_mgmt right.
    Register a new bank account into the account
    This method is used to register a new bank account for use with the
withdraw methods.

3.2   list

URL: `https://mtgox.com/api/2/money/bank/list`

Calling this method requires to be identified with an API key with the withdraw_mgmt or get_info right.

List the bank accounts associated with the current account.

This method takes no parameters, and will return the list of available bank accounts.

4   money/bitcoin

This API endpoint contains various methods allowing to deal with Bitcoin.

4.1   addpriv

URL: `https://mtgox.com/api/2/money/bitcoin/addpriv`

Calling this method requires to be identified with an API key with the deposit right.

List of parameters

keytype Type of key, one of raw—sha256—auto

key The private key to be added to the account

description Optional description to be attached to the bitcoin address

Method to add a private key to a specific MtGox account.

Because we have no way to be 100% sure that funds deposited on added private keys are not taken to somewhere else at the same time, any funds deposited on a private key added to a MtGox account will first be redirected to a dynamically generated bitcoin address. This means that even after adding a private key with bitcoins on it, those coins will not be available after another 6 bitcoin confirmations.

This method support different formats of private key:

raw A raw private key in base58 format

sha256 A string used to generate a private key after being hashed

auto Auto-detect format based on how the private key looks like

4.2 address

URL: `https://mtgox.com/api/2/money/bitcoin/address`
 Calling this method requires to be identified with an API key with the deposit right.

 Generates a new (or not new) bitcoin address.

 This will return a bitcoin address in variable `addr`.

 By default, this method will return the current deposit bitcoin address. If that address has not been used to make a deposit yet, no new address will be generated. Once funds are received on this address, however, a new address will be generated on next call.

 By passing a description in the `description` parameter, one can provide a description that will be included in the account history when funds are received on this bitcoin address. In this case, a new address is returned every time.

 Additionally, when `description` is passed, `ipn` can also be added to the call. In this case when bitcoins are received on the newly generated address, the url specified in `ipn` is called with details on the bitcoin transaction.

4.3 wallet_add

URL: `https://mtgox.com/api/2/money/bitcoin/wallet_add`
 Calling this method requires to be identified with an API key with the deposit right.

 Deposit a *wallet.dat* file

 This method takes one parameter: `wallet`, which should contain a *wallet.dat* file contents encoded in base64.

 This method will scan the uploaded *wallet.dat* file and extract any private key found in it. It will actually not care if the file is in the right format, and just search for bitcoin addresses based on the typical binary prefix for said addresses.

 If the private addresses are already linked to another MtGox account, no action will be taken on these.

4.4 send_simple

URL: `https://mtgox.com/api/2/money/bitcoin/send_simple`
 Calling this method requires to be identified with an API key with the withdraw right.

 List of parameters

address Target bitcoin address

amount_int Amount of bitcoins to withdraw

fee_int Fee amount to be added to transaction (optional), maximum 0.01 BTC

no_instant Setting this parameter to 1 will prevent transaction from being processed internally, and force usage of the bitcoin blockchain even if receipient is also on the system

green Setting this parameter to 1 will cause the TX to use MtGox's green address

Send bitcoins to a given address

This API allows sending a given number of bitcoins to any bitcoin address. Transfers to bitcoin address on the same system are processed instantly, unless the *no_instant* flag is set.

On success, this method will return the transaction id (in offser *trx*) which will contain either the bitcoin transaction id as hexadecimal or a UUID value in case of internal transfer.

4.5   null

URL: `https://mtgox.com/api/2/money/bitcoin/null`

Generate a new bitcoin address not linked to any account

This method invokes the Bitcoin address generation system to create a new bitcoin address. The newly generated address will however not be linked to anything, and sending coins to it just mean throwing them away.

4.6   block_list_tx

URL: `https://mtgox.com/api/2/money/bitcoin/block_list_tx`

List transactions found in a block

This method will provide details on a given block and list transactions found in it.

4.7   tx_details

URL: `https://mtgox.com/api/2/money/bitcoin/tx_details`

No documentation available for this method.

4.8 addr_details

URL: `https://mtgox.com/api/2/money/bitcoin/addr_details`
    No documentation available for this method.

4.9 vanity_lookup

URL: `https://mtgox.com/api/2/money/bitcoin/vanity_lookup`
    No documentation available for this method.

5 money/bitinstant

5.1 quote

URL: `https://mtgox.com/api/2/money/bitinstant/quote`
    No documentation available for this method.

5.2 fee

URL: `https://mtgox.com/api/2/money/bitinstant/fee`
    No documentation available for this method.

6 money/code

6.1 list

URL: `https://mtgox.com/api/2/money/code/list`
    No documentation available for this method.

6.2 redeem

URL: `https://mtgox.com/api/2/money/code/redeem`
    No documentation available for this method.

7 money/depth

7.1 fetch

URL: `https://mtgox.com/api/2/money/depth/fetch`
    No documentation available for this method.

7.2 full

URL: `https://mtgox.com/api/2/money/depth/full`
No documentation available for this method.

8 money/japan

8.1 lookup_bank

URL: `https://mtgox.com/api/2/money/japan/lookup_bank`
No documentation available for this method.

8.2 lookup_branch

URL: `https://mtgox.com/api/2/money/japan/lookup_branch`
No documentation available for this method.

9 money/merchant/order

9.1 create

URL: `https://mtgox.com/api/2/money/merchant/order/create`
No documentation available for this method.

9.2 pay

URL: `https://mtgox.com/api/2/money/merchant/order/pay`
No documentation available for this method.

9.3 details

URL: `https://mtgox.com/api/2/money/merchant/order/details`
No documentation available for this method.

9.4 payment

URL: `https://mtgox.com/api/2/money/merchant/order/payment`
No documentation available for this method.

10 money/merchant/pos/order

10.1 create

URL: `https://mtgox.com/api/2/money/merchant/pos/order/create`
   No documentation available for this method.

10.2 close

URL: `https://mtgox.com/api/2/money/merchant/pos/order/close`
   No documentation available for this method.

10.3 get

URL: `https://mtgox.com/api/2/money/merchant/pos/order/get`
   No documentation available for this method.

10.4 add_product

URL: `https://mtgox.com/api/2/money/merchant/pos/order/add_product`
   No documentation available for this method.

10.5 edit_product

URL: `https://mtgox.com/api/2/money/merchant/pos/order/edit_product`
   No documentation available for this method.

11 money/merchant/product

11.1 add

URL: `https://mtgox.com/api/2/money/merchant/product/add`
   No documentation available for this method.

11.2 del

URL: `https://mtgox.com/api/2/money/merchant/product/del`
   No documentation available for this method.

11.3 get

URL: `https://mtgox.com/api/2/money/merchant/product/get`
    No documentation available for this method.

11.4 edit

URL: `https://mtgox.com/api/2/money/merchant/product/edit`
    No documentation available for this method.

12 money/order

12.1 quote

URL: `https://mtgox.com/api/2/money/order/quote`
    No documentation available for this method.

12.2 add

URL: `https://mtgox.com/api/2/money/order/add`
    Calling this method requires to be identified with an API key with the trade right.
    Add an order to the order book
    This method will add an order to the order book.

12.3 result

URL: `https://mtgox.com/api/2/money/order/result`
    Calling this method requires to be identified with an API key with the get_info or trade right.
    Retrieve the list of trades linked to a specific order
    When provided with `type` (value is either "bid" or "ask") and `order` (value is the order's id), this method will retrieve any trade linked to this order, and return the detail of located trades.

12.4 lag

URL: `https://mtgox.com/api/2/money/order/lag`
    Returns the lag observed to execute orders in variable `lag`.

The value returned is in microseconds. If the trade engine queue is empty, zero will be returned. If not, the age of the oldest queue entry will be returned.

Usually, the returned value is below 10000000.

13 money/swift

13.1 details

URL: `https://mtgox.com/api/2/money/swift/details`

No documentation available for this method.

14 money/ticket

14.1 create

URL: `https://mtgox.com/api/2/money/ticket/create`

Calling this method requires to be identified with an API key with the withdraw right.

List of parameters

currency Currency to take funds from

amount_int Amount, as integer value

partner ID of partner handling this withdraw

Create a withdraw ticket
This API is used to create a new withdraw ticket.

15 money/token

15.1 process

URL: `https://mtgox.com/api/2/money/token/process`

No documentation available for this method.

16   money/trades

16.1   fetch

URL: `https://mtgox.com/api/2/money/trades/fetch`
  No documentation available for this method.

16.2   cancelled

URL: `https://mtgox.com/api/2/money/trades/cancelled`
  No documentation available for this method.

17   money/wallet

17.1   history

URL: `https://mtgox.com/api/2/money/wallet/history`
  No documentation available for this method.