

MtGox API - Authentication

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4 August 2012

Contents

1 Authentication	1
1.1 HTTP	1

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.