StormGain public API

SUMMARY

The public GET request endpoints are intended to allow access to market data. Endpoints return results in JSON format. Referenced in the /assets and /ticker endpoints is a Unified Cryptoasset ID (UCID). Please view this page for more information on the UCID.

STANDARDS AND CONVENTIONS

1. No API authentication required on public market endpoints.
2. Full market queries are available every 60 seconds. Updates are available once per minute, per market pair.
3. Data is available in JSON format
4. Versioning is guaranteed to avoid breaking changes (api/v1/asset, api/v2/asset, etc.)
5. Content encoding. Not implemented yet

[Section A] Spot Exchanges

ENDPOINT OVERVIEW

Name	Endpoint	Description
Summary	/api/v1/spot/summary	Summary status on crypto currencies available on the exchange.
Endpoint A1 (Assets)	/api/v1/assets	In depth details on crypto currencies available on the exchange.
Endpoint A2 (Ticker)	/api/v1/ticker	24-hour rolling window trading volume statistics for all markets.
Endpoint A3 (Order Book)	/api/v1/orderbook/	Market depth of a trading pair. One array containing a list of ask prices and another array containing bid prices.

Endpoint A4 (Trades)	/api/v1/trades/	Recently completed trades for a given market. 24-hour historical full trades available.
Endpoint A5 (Interests)	/api/v1/interests	Deposits interests available on the exchange for several markets.

ENDPOINT SUMMARY

SUMMARY /api/v1/spot/summary

The summary endpoint is there to provide a top level summary information for each currency available on the exchange.


```
[
  {
    "trading_pairs": "BTC_USDT",
    "last_price": "9190.86",
    "lowest_ask": "9187.35",
    "highest_bid": "9181.5",
    "base_volume": "23.85",
    "quote_volume": "219202.011",
    "price_change_percent_24h": "-0.88",
    "highest_price_24h": "9344.36",
    "lowest_price_24h": "9170.92"
  },
  {
    "trading_pairs": "ETH_USDT",
    "last_price": "238.105",
    "lowest_ask": "238.521",
    "highest_bid": "238.322",
    "base_volume": "151.23",
    "quote_volume": "36008.61915",
    "price_change_percent_24h": "-1.96",
    "highest_price_24h": "245.253",
    "lowest_price_24h": "237.737"
  }
]
```

Summary response descriptions.

Name	Type	Description
trading_pairs	string	Identifier of a ticker with delimiter to separate base/quote, eg. BTC-USD (Price of BTC is quoted in USD)
last_price	decimal	The price of the last executed order.
lowest_ask	decimal	The lowest ask order price
highest_bid	decimal	The highest bid order price
base_volume	decimal	24-hour trading volume in base pair volume.
quote_volume	decimal	24-hour trading volume in quote pair volume.
price_change_percent_24h	decimal	Price change for the last 24-hour period
highest_price_24h	decimal	24-hour highest trade price
lowest_price_24h	decimal	24-hour lowest trade price

ENDPOINT A1

ASSETS /api/v1/assets
The assets endpoint is there to provide a detailed summary for each currency available on the exchange.


```
{
  "BTC": {
    "unified_cryptoasset_id": 1,
    "name": "Bitcoin",
    "slug": "bitcoin",
    "can_withdraw": true,
    "can_deposit": true
  },
  "ETH": {
    "unified_cryptoasset_id": 1027,
    "name": "Ethereum",
    "slug": "ethereum",
    "can_withdraw": true,
    "can_deposit": true
  }
}
```

Assets response descriptions.

Name	Type	Description
name	string	**Full name** of cryptocurrency.
unified_cryptoasset_id	integer	Unique ID of cryptocurrency assigned by Unified Cryptoasset ID.
can_withdraw	boolean	Identifies whether withdrawals are enabled or disabled.
can_deposit	boolean	Identifies whether deposits are enabled or disabled.

ENDPOINT A2

TICKER /api/v1/ticker
The ticker endpoint is there to provide a 24-hour pricing and volume summary for each market pair that is available on the exchange.


```
{
   "BTC_USDT": {
      "base_id": 1,
      "quote_id": 825,
      "isFrozen": 0,
      "last_price": "8513.29",
      "base_volume": "1.5",
      "quote_volume": "12769.935"
   },
   "LTC_USDT": {
      "base_id": 2,
      "quote_id": 825,
      "isFrozen": 0,
      "last_price": "55.002",
      "base_volume": "19.8",
      "quote_volume": "1089.0396"
   }
}
```


Ticker response descriptions.

Name	Type	Description
base_id	integer	The quote pair Unified Cryptoasset ID.

quote_id	integer	The base pair Unified Cryptoasset ID.
isFrozen	integer	Indicates if the market is currently enabled (0) or disabled (1).
last_price	decimal	The price of the last executed order.
base_volume	decimal	24-hour trading volume in base pair volume.
quote_volume	decimal	24-hour trading volume in quote pair volume.

ENDPOINT A3

ORDERBOOK /api/v1/orderbook/market_pair
The order book endpoint is there to provide a complete level 2 order book (arranged by best asks/bids) with depth of 10 returned for a given market pair.

Parameters.

Name	Type	Description
market_pair	string	A pair such as "BTC_USDT"


```
{
  "timestamp": "1579882142158",
  "bids": [
    [
      "8502.2",
      "0.29"
    ],
    [
      "8501.35",
      "0.46"
    ]
  ],
  "asks": [
    [
      "8508.28",
      "0.27"
    ],
    [
      "8509.13",
      "0.21"
    ]
  ]
}
```

Order book response descriptions.

Name	Type	Description
timestamp	integer	Unix timestamp in milliseconds for when the last updated time occurred.
bids	decimal	An array containing 2 elements: the offer price and quantity for each bid order.
asks	decimal	An array containing 2 elements: the ask price and quantity for each ask order.

ENDPOINT A4

TRADES /api/v1/trades/market_pair
The trades endpoint is there to return data on all recently completed trades for a given market pair.

Parameters.

Name	Type	Description
market_pair	string	A pair such as "BTC_LTC"


```
[
  {
    "trade_id": 1622833825,
    "timestamp": "1579794503712",
    "type": "sell",
    "price": "8382.75",
    "base_volume": "0.01",
    "quote_volume": "83.8275"
  },
...
]
```


Trades response descriptions.

Name	Type	Description
trade_id	integer	A unique ID associated with the trade for the currency pair transaction. *Note*: Unix timestamp does not qualify as trade_id.

timestamp	integer	Unix timestamp in milliseconds for when the transaction occurred.
price	decimal	Transaction price in base pair volume.
base_volume	decimal	Transaction amount in base pair volume.
quote_volume	decimal	Transaction amount in quote pair volume.
type	string	Used to determine whether or not the transaction originated as a buy or sell. Buy – Identifies an ask was removed from the order book. Sell – Identifies a bid was removed from the order book.

ENDPOINT A5

INTERESTS /api/v1/interest

Deposits interests are available on the exchange for some market pairs


```
[
  {
    "symbol": "BTC",
    "rate": 0.1,
    "startTime": 1572220800,
    "endTime": 1603843200,
    "durationDays": 30,
    "minimumAmount": 0.014,
    "maximumAmount": 0,
    "isEarning": true
  }
]
```


Interest response description.

Name	Type	Description
symbol	float	Annual interest rate
rate	string	Unix timestamp in milliseconds for when the transaction occurred.
startTime	integer	Unix timestamp, when available.
endTime	integer	Unix timestamp, when available.

durationDays	integer	Number of days users have to deposit their coins, null if unavailable.
minimumAmount	float	Minimum amount, null if unavailable.
maximumAmount	float	Maximum amount, null if unavailable.
isEarning	boolean	*True* if user get interest.

[Section B] Derivative Exchanges

ENDPOINT OVERVIEW

Name	Endpoint	Description
Endpoint B1 (Contracts)	contracts	Summary of contracts traded on the exchange, helps to differentiate between different products available.
Endpoint B2	contract_specs	Combined with endpoint B1
Endpoint B3 (Orderbook)	orderbook	Order book depth of any given trading pair, split into two different arrays for bid and ask orders.

Endpoint B1 (Contracts)

Endpoint B2 provides a summary of every single contract traded on the exchange.


```
[
  {
    "ticker_id": "BTC-PERPUSDT",
    "base_currency": "BTC",
    "quote_currency": "USDT",
    "last_price": "9196.72",
    "base_volume": "1433.09713839",
    "USD_volume": "0",
    "quote_volume": "13283108.123",
    "bid": "9193.25",
    "ask": "9198.18",
    "high": "9347.34",
    "low": "9152.37",
    "product_type": "Perpetual",
    "open_interest": "273",
    "open_interest_usd": "0",
    "index_price": "9196.72",
    "funding_rate": "0.00004",
    "next_funding_rate": "0.00004",
    "next_funding_rate_timestamp": 1594760400000,
    "maker_fee": "0",
```

```
        "taker_fee": "0",
        "contract_type": "Vanilla",
        "contract_price": "9196.72",
        "contract_price_currency": "USDT"
    }
]
```

Name	Type	Description
ticker_id	string	Identifier of a ticker with delimiter to separate base/quote, eg. BTC-PERPUSD, BTC-PERPETH, BTC-PERPEUR
base_currency	string	Symbol/currency code of base pair, eg. BTC
quote_currency	string	Symbol/currency code of quote pair, eg. ETH
last_price	decimal	Last transacted price of base currency based on given quote currency
base_volume	decimal	24 hour trading volume in BASE currency
USD_volume	decimal	24 hour trading volume in USD (*not implemented yet*)
quote_volume	decimal	24 hour trading volume in QUOTE currency
bid	decimal	Current highest bid price
ask	decimal	Current lowest ask price
high	decimal	Rolling 24-hour highest transaction price
low	decimal	Rolling 24-hour lowest transaction price
product_type	string	Futures, Perpetual, Options
open_interest	decimal	The number of outstanding derivatives contracts that have not been settled
open_interest_usd	decimal	The sum of the Open Positions (long or short) in USD Value of the contract (*not implemented yet*)
index_price	decimal	Last calculated index price for underlying of contract
creation_timestamp	Integer	Start date of derivative *(absent for Perpetual swaps)*
expiry_timestamp	Integer	End date of derivative *(absent for Perpetual swaps)*
funding_rate	decimal	Current funding rate
next_funding_rate	decimal	Upcoming predicted funding rate
next_funding_rate_timestamp	Integer	Timestamp of the next funding rate change

maker_fee	decimal	Fees for filling a “maker” order (can be negative if rebate is given)
taker_fee	decimal	Fees for filling a “taker” order (can be negative if rebate is given)
contract_type	string	Vanilla, Inverse, Quanto
contract_price	decimal	The price per contract
contract_price_currency	string	The currency which the contract is priced in (e.g. USD, EUR, BTC, USDT)

Endpoint B3 (Orderbook)

Order book depth of any given trading pair, split into two different arrays for bid and ask orders. This is similar to Endpoint A3 for spot markets.


```
{
   "timestamp": "1594718312238",
   "bids": [
      [
         "9197.25",
         "109.37"
      ],
      [
         "9196.33",
         "59.17"
      ]
   "asks": [
      [
         "9205.45",
         "110.62"
      ],
      [
         "9207.87",
         "54.96"
      ]
   ]
}
```

Name	Data Type	Description
ticker_id	string	A pair such as "BTC-PERPUSD", with delimiter between different cryptoassets
timestamp	Integer	Unix timestamp in milliseconds for when the last updated time occurred.
bids	decimal	An array containing 2 elements. The offer price and quantity fyor each bid order
asks	decimal	An array containing 2 elements. The ask price and quantity for each ask order