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DEVELOPERS

RESTful Market Data API

BTC China Market Data API#

NOTICE: In case that you are more interested in our REAL-TIME MARKET DATA, please refer to our websocket API and FIX API documentation here:

- http://btcchina.org/websocket-api-market-data-documentation-en (http://btcchina.org/websocket-api-market-data-documentation-en)
- http://btcchina.org/fix-api-documentation-en (http://btcchina.org/fix-api-documentation-en)

Market data API is open for public use. No authentication is required to use this API.

For each of the API calls, you can supply the market you want to query for. Default is "btccny", which is the CNY to BTC market. To request for CNY to LTC, use the query: "market=ltccny", i.e., " https://data.btcchina.com/data/ticker?market=ltccny (https://data.btcchina.com/data/ticker?market=ltccny)". To request for the BTC to LTC market, use the query string "market=ltcbtc". Please beware that excessive use could lead to IP block.

Data API v1.3.3#

2014-11-21 Added Q&A part.

Data API v1.3.2#

2014-09-11 Data API v1.3.2: Added one more return value "open" for ticker API; added link to FIX documentation.

Data API v1.3.1#

2014-08-21 Data API v1.3.1: Added two more return values "vwap" and "prev_close" for ticker API.

Data API v1.3#

2014-08-15 Data API v1.3: parameter of "limit" for order book API is added.

Data API v1.2#

2014-07-31 Data API v1.2: parameter of "sincetype" for history data API is added.

Data API v1.1#

2014-07-09 Data API v1.1: Added 'limit' parameter to Trade History method.

Data API v1#

Data API v1 provides Ticker, Trades, Trade History and Order Book methods.

Ticker#

Get latest ticker data. Use query parameter 'market' to specify single or all markets.

- https://data.btcchina.com/data/ticker?market=btccny (https://data.btcchina.com/data/ticker?market=btccny)
- https://data.btcchina.com/data/ticker?market=all (https://data.btcchina.com/data/ticker?market=all)

```
## Single market ##
{
    "ticker": {
    "high": "2894.97",
    "low": "2850.08",
```

Content

```
    "buy": "2876.92",
    "sell": "2883.80",
    "last": "2875.66",
    "vol": "4133.63800000",
    "date": 1396412995,
    "vwap": 2879.12,
    "prev_close": 2875.61,
    "open": 2880.01
  }
}
## all markets ##
{
    "ticker_btccny": {
    "high": "2894.97",
    "low": "2850.08",
    "buy": "2880.00",
    "sell": "2883.86",
    "last": "2880.00",
    "vol": "4164.41040000",
    "date": 1396412841,
    "vwap": 2879.12,
    "prev_close": 2875.61,
    "open": 2880.01
  },
    "ticker_ltccny": {
    "high": "78.80",
    "low": "77.50",
    "buy": "78.22",
    "sell": "78.35",
    "last": "78.35",
    "vol": "56443.71000000",
    "date": 1396412841,
    "vwap": 78.12,
    "prev_close": 78.61,
    "open": 78.62
  },
    "ticker_ltcbtc": {
    "high": "0.02800000",
    "low": "0.02710000",
    "buy": "0.02720000",
    "sell": "0.02730000",
    "last": "0.02720000",
    "vol": "7715.69400000",
    "date": 1396412841,
    "vwap": 0.0274,
    "prev_close": 0.0273,
    "open": 0.0272
  }
}
```

Name	Value	Description
high	string	Highest price in last 24h.
low	string	Lowest price in last 24h.
buy	string	Latest bid price.
sell	string	Latest ask price.
last	string	Last successful trade price
vol	string	Total BTC volume in last 24h.
date	number	Last update timestamp.
vwap	number	24 hour average filled price.
prev_close	number	Yesterday's closed price.
open	number	Today's opening price.

Trades#

Returns a list of trades processed within the last 24h, however, to guarantee QoS and response maximal number of trades returned is 10000.

- https://data.btcchina.com/data/trades (https://data.btcchina.com/data/trades)

```
[{
    "date":"1383286640",
    "price":1264.31,
    "amount":0.01,
    "tid":"680350"
},{
    "date":"1383286877",
    "price":1264.33,
    "amount":1,
    "tid":"680351"
},{
    "date":"1383286880".
```

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```
      "price":1264.79,
      "amount":0.3,
      "tid":"680352"
}]
```

Name	Value	Description
date	string	Unix time in seconds since 1 January 1970.
price	string	Price for 1 BTC.
amount	string	Amount of BTC traded.
tid	string	Trade id.

Trade History#

Returns a list of historical trades. Use 'since' parameter to fetch older records. Use 'limit' parame specify the number of records fetched per request: the default of limit is 100, and the range of li [0,5000]. Set "sincetype" to "id" or "time" to specify on which data the "since" parameter works; th default of "sincetype" is "id".

- https://data.btcchina.com/data/historydata (https://data.btcchina.com/data/historydata)//re 100 trade records.
- https://data.btcchina.com/data/historydata?limit=10 (https://data.btcchina.com/data/historyc limit=10)//return last 10 trade records.
- https://data.btcchina.com/data/historydata?since=5000 (https://data.btcchina.com/data/histo since=5000)//return 100 trade records starting from id 5000.
- https://data.btcchina.com/data/historydata?since=5000&limit=10 (https://data.btcchina.com/data/historydata?since=5000&limit=10)//return 10 trade records s from id 5000.
- https://data.btcchina.com/data/historydata?since=1406794449&limit=10&sincetype=time (https://data.btcchina.com/data/historydata?since=1406794449&limit=10&sincetype=time)//re trade records starting from unix time 1406794449.

```
[{
    "date":"1383374245",
    "price":1278.7,
    "amount":0.4,
    "tid":"684284",
    "type":"sell"
},{
    "date":"1383374245",
    "price":1278.77,
    "amount":0.35,
    "tid":"684285",
    "type":"buy"
}]
```

Name	Value	Description
date	string	Unix time in seconds since 1 January 1970.
price	string	Price for 1 BTC.
amount	string	Amount of BTC traded.
tid	string	Trade id.
type	string	Indicate 'buy' or 'sell' trade.

Order Book#

Order book default contains all open ask and bid orders. Set 'limit' parameter to specify the num records fetched per request.

- https://data.btcchina.com/data/orderbook (https://data.btcchina.com/data/orderbook)//retu open orders from BTCCNY market.
- https://data.btcchina.com/data/orderbook?limit=10 (https://data.btcchina.com/data/orderbo limit=10)//return 10 open ask and bid orders from BTCCNY market. Bid orders are 10 orders highest price while ask with lowest, and orders are descendingly sorted by price.
- https://data.btcchina.com/data/orderbook?market=ltccny&limit=10 (https://data.btcchina.com/data/orderbook?market=ltccny&limit=10) //return 10 open ask and orders from LTCCNY market. Bid orders are 10 orders with highest price while ask with lowest orders are descendingly sorted by price.

```
{
    "asks":[
    [1279.1,3.036],
    [1278.8,7.9],
    [1278.77,8.9]
```

        [1278.77,8.9],
        [1278.7,2],
        [1278.68,0.359]
],
        "bids":[
        [1278.5,1.056],
        [1277.61,1.833],
        [1277.6,7.7],
        [1277.3,3],
        [1277.28,9.99],
],
        "date": 1395989337
}

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Name	Value	Description
asks	array	[0] Ask price
		[1] Ask amount
bids	array	[0] Bid price
		[1] Bid amount
date	number	Last update timestamp

Q&A#

Question 1. Why the tid in the trade history is not consecutive?

Answer: This is simply caused by the MySql Database itself, and none of our trades have been deliberately removed from this history or none of them are cancelled manually.