# CoinP OPEN API

## Getting Started

\*\*Welcome to the CoinP documentation center. CoinP provides an easy-to-use API interface, it allows traders operate in trading markets by using automated 3rd-party trading application.

### Apply API Key

In a signuped account of **[CoinP] (**[https://www.coinp.com](https://www.biconomy.com/)**)**, user can create an API Key in [API Management], and get a set of randomly generated API Key and Secret after creation. The Key, used by in your applications' authentication to trading.

**Please do NOT disclose the API Key and Secret Key to protect your assets. It is recommended that users bind IP addresses for the API. Each key is bound to a maximum of 4 IPs, separated by commas.**

### Interface call mode description

* REST API

Provide market query, balance query, currency transaction, order management functions, users are recommended to use REST API for account balance query, currency transaction and order management

### server

* The CoinP server runs in Tokyo. In order to minimize the delay of API access, it is recommended to use a server with smooth communication with Tokyo.

## REST API

### Access URL

- Main URL: [https://market.CoinP.vip](https://market.biconomy.vip/)

- Backup URL: [https://www.coinp.com](https://www.biconomy.com/) , when the Main URL is not avaliable, try to use the Backup URL.

### Request interaction

#### Intro

REST API Provide market inquiry, balance inquiry, currency trading, order management functions

All requests are based on the Https protocol, and the content-type in the request header needs to be uniformly set to the form format:

- **content-type:application/x-www-form-urlencoded**

#### error code

| **Error code** | **Description** | **Resaon** |
| --- | --- | --- |
| 0 | Success |  |
| 1 | Invalid parameter |  |
| 2 | Internal error |  |
| 3 | Service unavailable |  |
| 4 | Method Not Found |  |
| 5 | Service timeout |  |
| 10 | Insufficient amount |  |
| 11 | Number of transactions is too small |  |
| 12 | Insufficient depth |  |
|  |  |  |
| 10005 | Record Not Found | X-SITE-ID, Setting Error |
| 10022 | Failed real-name authentication |  |
| 10051 | User forbids trading |  |
| 10056 | Less than minimum amount |  |
| 10059 | The asset has not been opened for trading yet |  |
| 10060 | This trading pair has not yet opened trading |  |
| 10062 | Inaccurate amount accuracy |  |

### Attention

-All interface requests (public and private interfaces) must add the X-SITE-ID field in the header of the Request request. The value of this field is "127". This field is not required for signature verification. -If security requires the use of SHA256 and the request URL contains "/private/", please read README\_v2.md

## Market API public interface

### Get Exchange Market Data

Get /api/v1/tickers

Frequency limit: 10 times / s

## example

Request:

GET https://www.coinp.com/api/v1/tickers

Response:

{

"ticker":[

​ {

​ "buy":"0.378",

​ "high":"0.39999995",

​ "last":"0.388",

​ "low":"0.374101",

​ "sell":"0.387",

​ "symbol":"BTC\_USDT",

​ "vol":"3485328.1114718"

​ },

​ {

​ "buy":"1924",

​ "high":"1938.84",

​ "last":"1924",

​ "low":"1864.97",

​ "sell":"1926",

​ "symbol":"ETH\_USDT",

​ "vol":"2948.19477569"

​ }

],

"timestamp":"1535452275851"

}

### respond

timestamp: time

buy: BID

high: high price

last: last price

low: low price

sell: ASK

vol: volume (24h volume)

## Get Depth Information

Get /api/v1/depth

Frequency limit: 10 times / s

### parameter

| **Parameter** | **required** | **type** | **Description** |
| --- | --- | --- | --- |
| symbol | true | string | BTC\_USDT |
| size | true | string | 1 ~ 100 |

### example

Request:

GET https://www.coinp.com/api/v1/depth?symbol=BTC\_USDT

Response:

{

"asks":[

​ ["0.387","43189.58824906"]

],

"bids":[

​ ["0.378","2078.91534391"]

]

}

### respond

asks : ask[price，amount]

bids : bid[price，amount]

### Get Recent Trades

Get /api/v1/trades

Frequency limit: 10 times / s

### parameter

| **Parameter** | **required** | **type** | **Description** |
| --- | --- | --- | --- |
| symbol | true | string | BTC\_USDT |
| size | true | string | 1 ~ 100 |

### example

Request:

GET https://www.coinp.com/api/v1/trades?symbol=BTC\_USDT&size=1

Response:

{

​ "amount":"500",

​ "price":"0.401",

​ "side":"sell",

​ "timestamp":"1535507624521"

},

{

​ "amount":"442",

​ "price":"0.401",

​ "side":"sell",

​ "timestamp":"1535507612055"

}

]

### Response

amount : amount

price : price

side: buy/sell

timestamp: time

## Get K-line Info

Get /api/v1/kline

Frequency limit: 10 times / s

### parameter

| **Parameter** | **Description** |
| --- | --- |
| symbol | BTC\_USDT |
| type | 1min,5min,15min,30min,hour,day,week |
| size | 1 ~ 100 |

### example

Request:

GET https://www.coinp.com/api/v1/kline?symbol=BTC\_USDT&type=1min&size=10

Response:

[

[

​ 1535508060000,

​ "0.401",

​ "0.401",

​ "0.401",

​ "0.401",

​ "0"

],

[

​ 1535508120000,

​ "0.401",

​ "0.401",

​ "0.401",

​ "0.401",

​ "0"

],

[

​ 1535508180000,

​ "0.401",

​ "0.401",

​ "0.401",

​ "0.401",

​ "0"

]

...

]

### Response

1532655300000: time

2370.16: open

2380: high

2352: low

2367.37: close

17259.83: volume

## Get Pair Info

Get /api/v1/exchangeInfo

Frequency limit: 10 times / s

### example

Request:

GET https://www.coinp.com/api/v1/exchangeInfo

Response:

[

{

​ "baseAsset":"BTC",

​ "baseAssetPrecision":8,

​ "quoteAsset":"USDT",

​ "quoteAssetPrecision":8,

​ "status":"trading",

​ "symbol":"BTC\_USDT"

},

{

​ "baseAsset":"ETH",

​ "baseAssetPrecision":8,

​ "quoteAsset":"USDT",

​ "quoteAssetPrecision":8,

​ "status":"trading",

​ "symbol":"ETH\_USDT"

}

]

### Response

baseAsset: baseAsset

baseAssetPrecision: baseAssetPrecision

quoteAsset: quoteAsset

quoteAssetPrecision: quoteAssetPrecision

status: status

symbol: pair

# Trading API private interface

* All private interface requests use the POST method, and the parameters are submitted in the form-data

## Signature Authentication

* All parameters must be verified by signature, and all parameters must be sorted according to the alphabet according to the parameter name

### example

para：

'market':'BTC\_USDT',

'side':1,

'price':'50',

'amount':'0.02'

Parameter string:

amount=0.02&api\_key=apiKey&market=BTC\_USDT&price=50&side=1

Note: The secretKey must be generated to generate the MD5 signature. Add the secret\_key to the generated string to generate the final string.

Final signature string

:amount=0.02&api\_key=apiKey&market=BTC\_USDT&price=50&side=1&secret\_key=secretKey

MD5 signature：

Use 32bit MD5 encrypted string, the generated encrypted string must be capitalized

Then use the generated encrypted string as the value of sign parameter

Final HTTP request parameter example:

amount=0.02&api\_key=apiKey&market=BTC\_USDT&price=50&side=1&sign=MD5SignatureString

## Get User Assets

POST /api/v1/private/user

Frequency limit: 20 times / s

### example

Request:

POST https://www.coinp.com/api/v1/private/user

Response:

{

"code": 0,

"message": "successful",

"result": {

"USDT": {

"available": "10718.74453852",

"freeze": "0.10999996",

"other\_freeze": "0",

"recharge\_status": 0,

"trade\_status": 1,

"withdraw\_fee": "0.1",

"withdraw\_max": "1000",

"withdraw\_min": "0.001",

"withdraw\_status": 1

},

"ETH": {

"available": "395.196",

"freeze": "0",

"other\_freeze": "0",

"recharge\_status": 1,

"trade\_status": 1,

"withdraw\_fee": "0.01",

"withdraw\_max": "100000",

"withdraw\_min": "0.001",

"withdraw\_status": 1

},

"BTC": {

"available": "46.20370336",

"freeze": "0",

"other\_freeze": "0",

"recharge\_status": 0,

"trade\_status": 1,

"withdraw\_fee": "0.1",

"withdraw\_max": "100000",

"withdraw\_min": "1",

"withdraw\_status": 1

}

}

}

### Response

available: available

freeze: freeze

other\_freeze: other\_freeze（withdraw freeze）

recharge\_status: Recharge status. 0 is not rechargeable, 1 is rechargeable

withdraw\_fee: withdraw\_fee

withdraw\_max: withdraw\_max

withdraw\_min: withdraw\_min

withdraw\_status: Withdrawal status 0 means no withdrawal, 1 means withdrawal

## Limit Trading

POST /api/v1/private/trade/limit

Frequency limit: 20 times / s

### para

| **para** | **desc** |
| --- | --- |
| market | BTC\_USDT |
| side | 1 : ASK，2 : BID |
| amount | amount |
| price | price |

### example

Request:

POST https://www.coinp.com/api/v1/private/trade/limit

Response:

{

"code": 0,

"message": "successful",

"result": {

"amount": "1",

"ctime": 1535537926.246487,

"deal\_fee": "0",

"deal\_money": "0",

"deal\_stock": "0",

"id": 32865,

"left": "1",

"maker\_fee": "0.001",

"market": "BTC\_USDT",

"mtime": 1535537926.246487,

"price": "10",

"side": 2,

"source": "web,1",

"taker\_fee": "0.001",

"type": 1,

"user": 670865

}

}

### Response

amount: amount

ctime: creat time

deal\_fee: deal fee

deal\_money: deal money

deal\_stock: deal stock

id: id

left: left

maker\_fee: maker fee

market: market

mtime: publish to market time

price: price

side: 1:ASK，2:BID

source:source

taker\_fee: taker fee

type: trading type，1:limit，2:market

user: userid

## Market Trading

POST /api/v1/private/trade/market market trading

Frequency limit: 20 times / s

### para

| **para** | **desc** |
| --- | --- |
| market | BTC\_USDT |
| side | 1 : ASK，2 : BID |
| amount | amount |

### example

Request:

POST https://www.coinp.com/api/v1/private/trade/market

Response:

{

"code": 0,

"message": "successful",

"result": {

"amount": "1",

"ctime": 1535538409.189721,

"deal\_fee": "0.00019607843",

"deal\_money": "0.999999993",

"deal\_stock": "0.19607843",

"id": 32868,

"left": "7.0000000e-9",

"maker\_fee": "0",

"market": "BTC\_USDT",

"mtime": 1535538409.189735,

"price": "0",

"side": 2,

"source": "web,1",

"taker\_fee": "0.001",

"type": 2,

"user": 670865

}

}

### Response

amount: amount

ctime: creat time

deal\_fee: deal fee

deal\_money: deal money

deal\_stock: deal stock

id: id

left: left

maker\_fee: maker fee

market: market

mtime: publish to market time

price: price

side: 1:ASK，2:BID

source:source

taker\_fee: taker fee

type: trading type，1:limit，2:market

user: userid

## Cancel an Order

POST /api/v1/private/trade/cancel

Frequency limit: 20 times / s

### para

| **para** | **desc** |
| --- | --- |
| market | BTC\_USDT |
| order\_id | order id |

### example

Request:

POST https://www.coinp.com/api/v1/private/trade/cancel

Response:

{

"code": 0,

"message": "successful",

"result": {

"amount": "1",

"ctime": 1535538409.189721,

"deal\_fee": "0.00019607843",

"deal\_money": "0.999999993",

"deal\_stock": "0.19607843",

"id": 32868,

"left": "7.0000000e-9",

"maker\_fee": "0",

"market": "BTC\_USDT",

"mtime": 1535538409.189735,

"price": "0",

"side": 2,

"source": "web,1",

"taker\_fee": "0.001",

"type": 2,

"user": 670865

}

}

### Response

amount: amount

ctime: creat time

deal\_fee: deal fee

deal\_money: deal money

deal\_stock: deal stock

id: id

left: left

maker\_fee: maker fee

market: market

mtime: publito market time

price: price

side: 1:ASK，2:BID

source:source

taker\_fee: taker fee

type: trading type，1:limit，2:market

user: userid

## Bulk Cancel Order

POST /api/v1/private/trade/cancel\_batch The number of orders cancelled in batches each time does not exceed 10.

Frequency limit: 20 times / S

### para

| **para** | **desc** |
| --- | --- |
| orders\_json | [{"market":"XX\_USDT","order\_id":1},{"market":"XX\_USDT","order\_id":2}] |
| sign | sign |
| api\_key | api\_key |

### example

Request:

POST https://www.coinp.com/api/v1/private/trade/cancel\_batch

Response:

{

"code": 0,

"message": "successful",

"result": [

{

"market": "BTC\_USDT",

"order\_id": 458815,

"result": true

},

{

"market": "BTC\_USDT",

"order\_id": 458813,

"result": true

},

{

"market": "BTC\_USDT",

"order\_id": 458812,

"result": false

}

]

}

### Response

market: market

order\_id: order id

result: true:successful，false:fail)

## Query Order Transaction Interface

POST /api/v1/private/order/deals

Frequency limit: 20 times / s

### para

| **para** | **desc** |
| --- | --- |
| order\_id | order id |
| offset | 0 |
| limit | 1 ~ 100 |

### example

# Request

POST https://www.coinp.com/api/v1/private/order/deals

# Response

{

"code": 0,

"message": "successful",

"result": {

"limit": 20,

"offset": 0,

"records": [

{

​ "amount": "1",

​ "deal": "19.96",

​ "deal\_order\_id": 32730,

​ "fee": "0.001",

​ "id": 25503,

​ "price": "19.96",

​ "role": 2,

​ "time": 1535437951.751402,

​ "user": 670865

}

]

}

}

### Response

limit: limit

offset: offset

records: records

amount: amount

deal: deal

deal\_order\_id: deal order id

fee: fee

id: deal id

price: price

role:，1:Maker,2:Taker

time: time

user: user id

## Query Unfilled Orders

POST /api/v1/private/order/pending

Frequency limit: 20 times / s

### para

| **para** | **desc** |
| --- | --- |
| market | BTC\_USDT |
| offset | 0 |
| limit | 1 ~ 100 |

### example

# Request

POST https://www.coinp.com/api/v1/private/order/pending

# Response

{

"code": 0,

"message": "successful",

"result": {

"limit": 10,

"offset": 0,

"records": [

{

​ "amount": "1",

​ "ctime": 1535544362.168106,

​ "deal\_fee": "0",

​ "deal\_money": "0",

​ "deal\_stock": "0",

​ "id": 32871,

​ "left": "1",

​ "maker\_fee": "0.001",

​ "market": "BTC\_USDT",

​ "mtime": 1535544362.168106,

​ "price": "5.1",

​ "side": 2,

​ "source": "web,1",

​ "taker\_fee": "0.001",

​ "type": 1,

​ "user": 670865

}

],

"total": 1

}

}

### Response

amount: amount

ctime: create time

deal\_fee: deal fee

deal\_money: deal money

deal\_stock:deal stock

id: id

left: left

maker\_fee: maker fee

market: market

mtime: publish to market time

price: price

side: 1:ASK，2:BID

source:source

taker\_fee: taker fee

type: trading time，1:limit，2:market

user: user id

## Query Details Of An Unfilled Order

POST /api/v1/private/order/pending/detail

Frequency limit: 20 times / s

### parme

| **para** | **desc** |
| --- | --- |
| market | BTC\_USDT |
| Order\_id | order id |

### example

Request:

POST https://www.coinp.com/api/v1/private/order/pending/detail

Response:

{

"code": 0,

"message": "successful",

"result": {

"amount": "10",

"ctime": 1565681852.879657,

"deal\_fee": "0",

"deal\_money": "0",

"deal\_stock": "0",

"id": 1080,

"left": "10",

"maker\_fee": "0",

"market": "BTC\_USDT",

"mtime": 1565681852.879657,

"price": "1"

"side": 2,

"source": "web,127",

"taker\_fee": "0",

"type": 1,

"user": 2

}

}

### Response

amount: amount

ctime: create time

deal\_fee: deal fee

deal\_money: deal money

deal\_stock: deal stock

id: id

left: left

maker\_fee: maker fee

market: market

ftime: publish to market time

price: price

side: 1:ASK,2:BID

source: source

taker\_fee: taker fee

type: trading type,1:limit,2:market

user: user id

## Querying the Completed Order

POST /api/v1/private/order/finished

Frequency limit: 500 times / s

### para

| **para** | **desc** |
| --- | --- |
| market | BTC\_USDT |
| start\_time | start time |
| end\_time | end time |
| offset | 0 |
| limit | 1 ~ 100 |
| side | 1:ASK 2:BID |

### example

Request:

POST https://www.coinp.com/api/v1/private/order/finished

Response:

{

"code": 0,

"message": "example",

"result": {

"limit": 2,

"offset": 0,

"records": [

{

​ "amount": "1",

​ "ctime": 1535538409.189721,

​ "deal\_fee": "0.00019607843",

​ "deal\_money": "0.999999993",

​ "deal\_stock": "0.19607843",

​ "ftime": 1535538409.189735,

​ "id": 32868,

​ "maker\_fee": "0",

​ "market": "BTC\_USDT",

​ "price": "0",

​ "side": 2,

​ "source": "web,1",

​ "taker\_fee": "0.001",

​ "type": 2,

​ "user": 670865

},

{

​ "amount": "10",

​ "ctime": 1535538403.233823,

​ "deal\_fee": "0.001109999955",

​ "deal\_money": "1.109999955",

​ "deal\_stock": "0.21764705",

​ "ftime": 1535538409.189735,

​ "id": 32867,

​ "maker\_fee": "0.001",

​ "market": "BTC\_USDT",

​ "price": "5.1",

​ "side": 1,

​ "source": "web,1",

​ "taker\_fee": "0.001",

​ "type": 1,

​ "user": 670865

}

]

}

}

### Response

amount: amount

ctime: creat time

deal\_fee: deal fee

deal\_money: deal money

deal\_stock: deal stock

id: id

left: left

maker\_fee: maker fee

market: market

ftime: finish time

price: price

side: 1:ASK，2:BID

source:source

taker\_fee: taker fee

type: trading type，1:limit，2:market

user: user id

## Query Details Of An Unfilled Order

POST /api/v1/private/order/finished/detail

Frequency limit: 20 times / s

### para

| **para** | **desc** |
| --- | --- |
| order\_id | order id |

### example

Request:

POST https://www.coinp.com/api/v1/private/order/finished/detail

Response:

{

"code": 0,

"message": "successful",

"result": {

"amount": "10",

"ctime": 1565681925.295415,

"deal\_fee": "0",

"deal\_money": "19.5",

"deal\_stock": "10",

"ftime": 1565681925.295421,

"id": 1081,

"maker\_fee": "0",

"market": "BTC\_USDT",

"price": "2",

"side": 2,

"source": "web,127",

"taker\_fee": "0",

"type": 1,

"user": 2

}

}

### Response

amount: amount

ctime: create time

deal\_fee: deal fee

deal\_money: deal money

deal\_stock: deal stock

id: id

left: left

maker\_fee: maker fee

market: market

ftime: finish time

price: price

side: 1:ASK，2:BID

source:source

taker\_fee: taker fee

type: trading type，1:limit，2:market

user: user id

## WebSocket Market Streams

* The base endpoint is: **wss://**[www.coinp.com/ws](http://www.biconomy.com/ws)
* Streams can be subscribed in a single raw stream
* The format subscribing to wss is unified, including method, params and id, {method: "", params: [], id: 5719}, and the parameter of id should not be same in singal individual socket.
* client should send ping packet every 3 minutes, the format of the ping packet is {"method":"server.ping","params":[],"id":5160}, the format of the response packet is {"error": null, "result": "pong", "id": 5160}

### Depth Stream

#### Subscribe Depth Stream

Parameters:

​ method: depth.subscribe

​ params:

​ symbol -- BTC\_USDT

​ depth -- depth length, currently supported are in the lists, [5, 10, 15, 20, 30, 50, 100]

​ precision -- price precision, currently supported precisions are in the lists, [0, 0.1, 0.01, 0.001, 0.0001, 0.00001, 0.000001, 0.0000001, 0.00000001]

Example:

​ request:

​ {"method":"depth.subscribe","params":["BTC\_USDT",50,"0.01"],"id":2066}

​ response:

​ {"error": null, "result": {"status": "success"}, "id": 2066}

#### Unsubscribe Depth Stream

Parameters:

​ method: depth.unsubscribe

​ params: []

Example:

​ request:

​ {"method":"depth.unsubscribe","params":[],"id":2067}

​ response:

​ {"error": null, "result": {"status": "success"}, "id": 2067}

#### Depth Push Event

Parameters:

​ method: depth.update

​ params:

​ is\_full: true or false

​ asks: ask order lists

​ bids: bid order lists

​ id: null

Example Event:

​ {"method": "depth.update", "params": [true, {"asks": [["21505.92", "0.02"], ["21505.93", "0.09"]...], "bids ": [["21505.21", "0.01"], ["21505.2", "0.22"]...]}, "BTC\_USDT"], "id": null}

​ {"method": "depth.update", "params": [false, {"bids": [["21505.93", "0.03"]]}, "BTC\_USDT"], "id": null}

### Kline Stream

#### Subscribe Kline Stream

Parameters:

​ method: kline.subscribe

​ params:

​ symbol -- BTC\_USDT

​ interval -- the time interval of kline in seconds, such as 15 minutes set to 900, and 1 day set to 86400

Example:

​ Request:

​ {"method":"kline.subscribe","params":["BTC\_USDT",900],"id":2068}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2068}

#### Unsubscribe Kline Stream

Parameters:

​ method: kline.unsubscribe

​ params: []

Example:

​ Request:

​ {"method":"kline.unsubscribe","params":[],"id":2069}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2069}

#### Kline Push Event

Parameters:

​ method: kline.update

​ params:

​ The fields in params are: timestamp, opening price, closing price, highest price, lowest price, volume, deal, pair name

​ id: null

Example Event:

​ {"method": "kline.update", "params": [[1660924800, "21444.54", "21445.84", "21447.87", "21437.21", "21.74", "466178.2626", "BTC\_USDT"]], " id": null}

### Deal Stream

#### Subscribe Deal Stream

Parameters:

​ method: deals.subscribe

​ params:

​ symbol -- BTC\_USDT

Example:

​ Request:

​ {"method":"deals.subscribe","params":["BTC\_USDT"],"id":2070}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2070}

#### Unsubscribe Deal Stream

Parameters:

​ method: deals.unsubscribe

​ params: []

Example:

​ Request:

​ {"method":"deals.unsubscribe","params":[],"id":2071}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2071}

#### Deal Push Event

Parameters:

​ method: deals.update

​ params:

​ The fields in params are: pair name, amount, timestamp, transaction ID, transaction type, price

​ id: null

Example Event:

​ {"method": "deals.update", "params": ["BTC\_USDT", [{"amount": "0.2", "time": 1660924893.1702139, "id": 848000900, "type": "buy", "price": "21446.35"}, {"amount": "0.03", "time": 1660924893.1698799, "id": 848000899, "type": "buy", "price": "21446.34"}]], "id": null}

​ {"method": "deals.update", "params": ["BTC\_USDT", [{"amount": "0.02", "time": 1660924901.0485499, "id": 848002029, "type": "sell", "price": "21445.84"}]], "id": null}

### Last Price Stream

#### Subscribe Last Price Stream

Parameters:

​ method: price.subscribe

​ params:

​ symbols -- list of the pair, ["BTC\_USDT","ETH\_USDT"...]

Example:

​ Request:

{"method":"price.subscribe","params":["BTC\_USDT","ETH\_USDT"],"id":2072}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2072}

#### Unsubscribe Last Price Stream

Parameters:

​ method: price.unsubscribe

​ params: []

Example:

​ Request:

​ {"method":"price.unsubscribe","params":[],"id":2073}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2073}

#### Last Price Push Event

Parameters:

​ method: price.update

​ params:

​ The fields in params are: pair name, last price

​ id: null

Example Event:

​ {"method": "price.update", "params": ["BTC\_USDT", "21446.34"], "id": null}

### 24hour Market State Stream

#### Subscribe 24hour Market State Stream

Parameters:

​ method: state.subscribe

​ params:

​ symbols -- list of the pair, ["BTC\_USDT","ETH\_USDT"...]

Example:

​ Request:

{"method":"state.subscribe","params":["BTC\_USDT","ETH\_USDT"],"id":2074}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2074}

#### Unsubscribe 24hour Market State Stream

Parameters:

​ method: state.unsubscribe

​ params: []

Example:

​ Request:

​ {"method":"state.unsubscribe","params":[],"id":2075}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2075}

#### 24hour Market State Push Event

Parameters:

​ method: state.update

​ params:

​ The fields in params are: pair name, period, last price, opening price, closing price, highest price, lowest price, volume, deal

​ id: null

Example Event:

​ {"method": "state.update", "params": ["BTC\_USDT", {"period": 86400, "last":"23728.7", "open": "23901.05", "close": "23902.11", "high": "24411.64", "low": "23727.7", "volume": "25664.43", "deal": "614923080.4154"}], "id": null}

### Today Market State Stream

#### Subscribe Today Market State Stream

Parameters:

​ method: today.subscribe

​ params:

​ symbols -- list of the pair, ["BTC\_USDT","ETH\_USDT"...]

Example:

​ Request:

{"method":"today.subscribe","params":["BTC\_USDT","ETH\_USDT"],"id":2076}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2076}

#### Unsubscribe Today Market State Stream

Parameters:

​ method: today.unsubscribe

​ params: []

Example:

​ Request:

{"method":"today.unsubscribe","params":[],"id":2077}

​ Response:

​ {"error": null, "result": {"status": "success"}, "id": 2077}

#### Today Market State Push Event

Parameters:

​ method: today.update

​ params:

​ The fields in params are: pair name, lowest price, deal, opening price, latest price, highest price, volume

​ id: null

Example Event:

​ {"method": "today.update", "params": ["BTC\_USDT", {"low": "23727.7", "deal": "614923080.4154", "open": "23901.05", "last": "23769.64", "high": "24411.64", "volume": "25664.43"}], "id": null}

**CMC API**

**1、https://www.coinp.com/api/v1/cmc/summary**

**response：**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| trading\_pairs | string | Mandatory | Identifier of a ticker with delimiter to separate base/quote, eg. BTC-USD (Price of BTC is quoted in USD) |
| base\_currency | string | Recommended | Symbol/currency code of base currency, eg. BTC |
| quote\_currency | string | Recommended | Symbol/currency code of quote currency, eg. USD |
| last\_price | decimal | Mandatory | Last transacted price of base currency based on given quote currency |
| lowest\_ask | decimal | Mandatory | Lowest Ask price of base currency based on given quote currency |
| highest\_bid | decimal | Mandatory | Highest bid price of base currency based on given quote currency |
| base\_volume | decimal | Mandatory | 24-hr volume of market pair denoted in BASE currency |
| quote\_volume | decimal | Mandatory | 24-hr volume of market pair denoted in QUOTE currency |
| price\_change\_percent\_24h | decimal | Mandatory | 24-hr % price change of market pair |
| highest\_price\_24h | decimal | Mandatory | Highest price of base currency based on given quote currency in the last 24-hrs |
| lowest\_price\_24h | decimal | Mandatory | Lowest price of base currency based on given quote currency in the last 24-hrs |

**response demo：**

**{**

**"code": 200,**

**"message": "success",**

**"data": [**

**{**

**"base\_currency": "ETH",**

**"base\_volume": 45868.4802,**

**"highest\_bid": 1874.48,**

**"highest\_price\_24h": 1956.26,**

**"last\_price": 1875.27,**

**"lowest\_ask": 1874.49,**

**"lowest\_price\_24h": 1831.02,**

**"price\_change\_percent\_24h": "-1.95",**

**"quote\_currency": "USDT",**

**"quote\_volume": 86811598.168002,**

**"trading\_pairs": "ETH\_USDT"**

**},**

**{**

**"base\_currency": "BTC",**

**"base\_volume": 3219.64956,**

**"highest\_bid": 83306.82,**

**"highest\_price\_24h": 84428.16,**

**"last\_price": 83294.76,**

**"lowest\_ask": 83306.86,**

**"lowest\_price\_24h": 80607.65,**

**"price\_change\_percent\_24h": "1.28",**

**"quote\_currency": "USDT",**

**"quote\_volume": 267016686.3116693,**

**"trading\_pairs": "BTC\_USDT"**

**},**

**{**

**"base\_currency": "XRP",**

**"base\_volume": 17583503.0551,**

**"highest\_bid": 2.22,**

**"highest\_price\_24h": 2.27,**

**"last\_price": 2.22,**

**"lowest\_ask": 2.23,**

**"lowest\_price\_24h": 2.13,**

**"price\_change\_percent\_24h": "1.83",**

**"quote\_currency": "USDT",**

**"quote\_volume": 38905836.279668,**

**"trading\_pairs": "XRP\_USDT"**

**},**

**{**

**"base\_currency": "DOGE",**

**"base\_volume": 91954132.30238,**

**"highest\_bid": 0.17,**

**"highest\_price\_24h": 0.17,**

**"last\_price": 0.17,**

**"lowest\_ask": 0.18,**

**"lowest\_price\_24h": 0.16,**

**"price\_change\_percent\_24h": "0",**

**"quote\_currency": "USDT",**

**"quote\_volume": 14997390.86272,**

**"trading\_pairs": "DOGE\_USDT"**

**},**

**{**

**"base\_currency": "TRX",**

**"base\_volume": 1135069052.43698,**

**"highest\_bid": 0.2239,**

**"highest\_price\_24h": 0.2257,**

**"last\_price": 0.2244,**

**"lowest\_ask": 0.2246,**

**"lowest\_price\_24h": 0.22,**

**"price\_change\_percent\_24h": "2",**

**"quote\_currency": "USDT",**

**"quote\_volume": 252747151.7249056,**

**"trading\_pairs": "TRX\_USDT"**

**},**

**{**

**"base\_currency": "LINK",**

**"base\_volume": 448287.0679,**

**"highest\_bid": 13.17,**

**"highest\_price\_24h": 13.82,**

**"last\_price": 13.18,**

**"lowest\_ask": 13.18,**

**"lowest\_price\_24h": 12.77,**

**"price\_change\_percent\_24h": "0.77",**

**"quote\_currency": "USDT",**

**"quote\_volume": 5957831.983348,**

**"trading\_pairs": "LINK\_USDT"**

**},**

**{**

**"base\_currency": "BNB",**

**"base\_volume": 27505.3084,**

**"highest\_bid": 577.9,**

**"highest\_price\_24h": 582.2,**

**"last\_price": 578.1,**

**"lowest\_ask": 578,**

**"lowest\_price\_24h": 548.3,**

**"price\_change\_percent\_24h": "4.13",**

**"quote\_currency": "USDT",**

**"quote\_volume": 15538191.584049,**

**"trading\_pairs": "BNB\_USDT"**

**},**

**{**

**"base\_currency": "SOL",**

**"base\_volume": 273978.3075,**

**"highest\_bid": 124.22,**

**"highest\_price\_24h": 131.29,**

**"last\_price": 124.24,**

**"lowest\_ask": 124.23,**

**"lowest\_price\_24h": 122.9,**

**"price\_change\_percent\_24h": "0.75",**

**"quote\_currency": "USDT",**

**"quote\_volume": 34431660.112006,**

**"trading\_pairs": "SOL\_USDT"**

**},**

**{**

**"base\_currency": "ADA",**

**"base\_volume": 18903450.9988,**

**"highest\_bid": 0.72,**

**"highest\_price\_24h": 0.76,**

**"last\_price": 0.71,**

**"lowest\_ask": 0.73,**

**"lowest\_price\_24h": 0.71,**

**"price\_change\_percent\_24h": "-2.74",**

**"quote\_currency": "USDT",**

**"quote\_volume": 13804909.164911,**

**"trading\_pairs": "ADA\_USDT"**

**},**

**{**

**"base\_currency": "SUI",**

**"base\_volume": 4558265.3645,**

**"highest\_bid": 2.24,**

**"highest\_price\_24h": 2.37,**

**"last\_price": 2.23,**

**"lowest\_ask": 2.25,**

**"lowest\_price\_24h": 2.17,**

**"price\_change\_percent\_24h": "-0.45",**

**"quote\_currency": "USDT",**

**"quote\_volume": 10311123.913395,**

**"trading\_pairs": "SUI\_USDT"**

**}**

**]**

**}**

1. **<https://www.coinp.com/api/v1/cmc/assets>**

**response：**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| name | string | Recommended | **Full name** of cryptocurrency. |
| [unified\_cryptoasset\_id](https://docs.google.com/document/d/1a5JfNE8aXusvfZBnEokwzp1-vGNJ_SPo-jIXhfnnEYE/edit) | integer | Recommended | Unique ID of cryptocurrency assigned by [Unified Cryptoasset ID](https://pro-api.coinmarketcap.com/v1/cryptocurrency/map?CMC_PRO_API_KEY=UNIFIED-CRYPTOASSET-INDEX&listing_status=active). |
| can\_withdraw | boolean | Recommended | Identifies whether withdrawals are enabled or disabled. |
| can\_deposit | boolean | Recommended | Identifies whether deposits are enabled or disabled. |
| min\_withdraw | decimal | Recommended | Identifies the single minimum withdrawal amount of a cryptocurrency. |
| max\_withdraw | decimal | Recommended | Identifies the single maximum withdrawal amount of a cryptocurrency. |
| maker\_fee | decimal | Recommended | Fees applied when liquidity is added to the order book. |
| taker\_fee | decimal | Recommended | Fees applied when liquidity is removed from the order book. |
| contractAddressUrl | string | Recommended | URL of contract address on **each** chain |
| contractAddress | string | Recommended | Contract address of the asset on **each** chain (e.g. 0x32353a6c91143bfd6c7d363b546e62a9a2489a20) |

**{**

**"code": 200,**

**"message": "success",**

**"data": {**

**"ADA": {**

**"name": "Cardano",**

**"unified\_cryptoasset\_id": 4885,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 15,**

**"max\_withdraw": 3000,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"BNB": {**

**"name": "BNB",**

**"unified\_cryptoasset\_id": 4237,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 0.005,**

**"max\_withdraw": 50,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"BTC": {**

**"name": "Bitcoin",**

**"unified\_cryptoasset\_id": 5399,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 0.0007,**

**"max\_withdraw": 3,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"DOGE": {**

**"name": "Dogecoin",**

**"unified\_cryptoasset\_id": 3956,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 100,**

**"max\_withdraw": 1000000,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"ETH": {**

**"name": "Ethereum",**

**"unified\_cryptoasset\_id": 4945,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 0.02,**

**"max\_withdraw": 20,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"LINK": {**

**"name": "LINK",**

**"unified\_cryptoasset\_id": 4210,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 5,**

**"max\_withdraw": 100000,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"SOL": {**

**"name": "SOL",**

**"unified\_cryptoasset\_id": 4314,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 0.1,**

**"max\_withdraw": 2000,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"SUI": {**

**"name": "Sui",**

**"unified\_cryptoasset\_id": 5426,**

**"can\_withdraw": false,**

**"can\_deposit": true,**

**"min\_withdraw": 0.01,**

**"max\_withdraw": 10000,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"TRX": {**

**"name": "TRX",**

**"unified\_cryptoasset\_id": 4044,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 50,**

**"max\_withdraw": 200000,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"USDT": {**

**"name": "Tether USD",**

**"unified\_cryptoasset\_id": 3356,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 120,**

**"max\_withdraw": 9999,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**},**

**"XRP": {**

**"name": "Ripple",**

**"unified\_cryptoasset\_id": 3953,**

**"can\_withdraw": true,**

**"can\_deposit": true,**

**"min\_withdraw": 10,**

**"max\_withdraw": 1000000,**

**"maker\_fee": 0.002,**

**"taker\_fee": 0.002**

**}**

**}**

**}**

1. **<https://www.coinp.com/api/v1/cmc/ticker>**

**response：**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| base\_id | integer | Recommended | The quote pair [Unified Cryptoasset ID](https://pro-api.coinmarketcap.com/v1/cryptocurrency/map?CMC_PRO_API_KEY=UNIFIED-CRYPTOASSET-INDEX&listing_status=active). |
| quote\_id | integer | Recommended | The base pair [Unified Cryptoasset ID](https://pro-api.coinmarketcap.com/v1/cryptocurrency/map?CMC_PRO_API_KEY=UNIFIED-CRYPTOASSET-INDEX&listing_status=active). |
| last\_price | decimal | Mandatory | Last transacted price of base currency based on given quote currency |
| base\_volume | decimal | Mandatory | 24-hour trading volume denoted in BASE currency |
| quote\_volume | decimal | Mandatory | 24 hour trading volume denoted in QUOTE currency |
| isFrozen | integer | Recommended | Indicates if the market is currently enabled (0) or disabled (1). |
| **Name** | **Type** | **Status** | **Description** |
| base\_id | integer | Recommended | The quote pair [Unified Cryptoasset ID](https://pro-api.coinmarketcap.com/v1/cryptocurrency/map?CMC_PRO_API_KEY=UNIFIED-CRYPTOASSET-INDEX&listing_status=active). |
| quote\_id | integer | Recommended | The base pair [Unified Cryptoasset ID](https://pro-api.coinmarketcap.com/v1/cryptocurrency/map?CMC_PRO_API_KEY=UNIFIED-CRYPTOASSET-INDEX&listing_status=active). |
| last\_price | decimal | Mandatory | Last transacted price of base currency based on given quote currency |

**{**

**"code": 200,**

**"message": "success",**

**"data": {**

**"ADA\_USDT": {**

**"base\_id": 4885,**

**"base\_volume": 18866891.2349,**

**"isFrozen": 0,**

**"last\_price": 0.71,**

**"quote\_id": 3356,**

**"quote\_volume": 13777008.00858**

**},**

**"BNB\_USDT": {**

**"base\_id": 4237,**

**"base\_volume": 27452.1939,**

**"isFrozen": 0,**

**"last\_price": 578.4,**

**"quote\_id": 3356,**

**"quote\_volume": 15509713.969765**

**},**

**"BTC\_USDT": {**

**"base\_id": 5399,**

**"base\_volume": 3201.92756,**

**"isFrozen": 0,**

**"last\_price": 83244.06,**

**"quote\_id": 3356,**

**"quote\_volume": 265567340.2516875**

**},**

**"DOGE\_USDT": {**

**"base\_id": 3956,**

**"base\_volume": 91473874.91511,**

**"isFrozen": 0,**

**"last\_price": 0.17,**

**"quote\_id": 3356,**

**"quote\_volume": 14922006.7702447**

**},**

**"ETH\_USDT": {**

**"base\_id": 4945,**

**"base\_volume": 45722.7506,**

**"isFrozen": 0,**

**"last\_price": 1875.74,**

**"quote\_id": 3356,**

**"quote\_volume": 86529049.34064**

**},**

**"LINK\_USDT": {**

**"base\_id": 4210,**

**"base\_volume": 447594.9533,**

**"isFrozen": 0,**

**"last\_price": 13.14,**

**"quote\_id": 3356,**

**"quote\_volume": 5948863.359292**

**},**

**"SOL\_USDT": {**

**"base\_id": 4314,**

**"base\_volume": 272357.7339,**

**"isFrozen": 0,**

**"last\_price": 124.34,**

**"quote\_id": 3356,**

**"quote\_volume": 34232563.957067**

**},**

**"SUI\_USDT": {**

**"base\_id": 5426,**

**"base\_volume": 4523349.5932,**

**"isFrozen": 0,**

**"last\_price": 2.23,**

**"quote\_id": 3356,**

**"quote\_volume": 10232832.253234**

**},**

**"TRX\_USDT": {**

**"base\_id": 4044,**

**"base\_volume": 1141135062.73301,**

**"isFrozen": 0,**

**"last\_price": 0.2236,**

**"quote\_id": 3356,**

**"quote\_volume": 254107561.2922422**

**},**

**"XRP\_USDT": {**

**"base\_id": 3953,**

**"base\_volume": 17560421.6874,**

**"isFrozen": 0,**

**"last\_price": 2.23,**

**"quote\_id": 3356,**

**"quote\_volume": 38857654.379469**

**}**

**}**

**}**

**4、https://www.coinp.com/api/v1/cmc/trades/ETH\_USDT**

Parameters:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| market\_pair | string | Mandatory | A pair such as LTC\_BTC. |

**response：**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| trade\_id | integer | Mandatory | A unique ID associated with the trade for the currency pair transaction  *Note:* Unix timestamp does not qualify as trade\_id. |
| price | decimal | Mandatory | Last transacted price of base currency based on given quote currency |
| base\_volume | decimal | Mandatory | Transaction amount in BASE currency. |
| quote\_volume | decimal | Mandatory | Transaction amount in QUOTE currency. |
| timestamp | Integer  (UTC timestamp in ms) | Mandatory | Unix timestamp in milliseconds for when the transaction occurred. |
| type | string | Mandatory | 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. |

**{**

**"code": 200,**

**"message": "success",**

**"data": [**

**{**

**"base\_volume": 0.124,**

**"price": 1875.49,**

**"quote\_volume": 232.56076,**

**"timestamp": 1741852648469,**

**"trade\_id": 20070874,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.1062,**

**"price": 1875.49,**

**"quote\_volume": 199.177038,**

**"timestamp": 1741852647622,**

**"trade\_id": 20070868,**

**"type": "sell"**

**},**

**{**

**"base\_volume": 0.0151,**

**"price": 1875.35,**

**"quote\_volume": 28.317785,**

**"timestamp": 1741852645916,**

**"trade\_id": 20070854,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.0126,**

**"price": 1875.35,**

**"quote\_volume": 23.62941,**

**"timestamp": 1741852644506,**

**"trade\_id": 20070840,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.0399,**

**"price": 1875.21,**

**"quote\_volume": 74.820879,**

**"timestamp": 1741852643352,**

**"trade\_id": 20070830,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.1035,**

**"price": 1875.21,**

**"quote\_volume": 194.084235,**

**"timestamp": 1741852642638,**

**"trade\_id": 20070826,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.0635,**

**"price": 1875.21,**

**"quote\_volume": 119.075835,**

**"timestamp": 1741852641623,**

**"trade\_id": 20070817,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.2239,**

**"price": 1875.21,**

**"quote\_volume": 419.859519,**

**"timestamp": 1741852640817,**

**"trade\_id": 20070809,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.0386,**

**"price": 1875.31,**

**"quote\_volume": 72.386966,**

**"timestamp": 1741852639690,**

**"trade\_id": 20070799,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.2539,**

**"price": 1875.49,**

**"quote\_volume": 476.186911,**

**"timestamp": 1741852639005,**

**"trade\_id": 20070793,**

**"type": "sell"**

**},**

**{**

**"base\_volume": 0.0403,**

**"price": 1875.49,**

**"quote\_volume": 75.582247,**

**"timestamp": 1741852638032,**

**"trade\_id": 20070786,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.0705,**

**"price": 1875.49,**

**"quote\_volume": 132.222045,**

**"timestamp": 1741852637481,**

**"trade\_id": 20070780,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.018,**

**"price": 1875.49,**

**"quote\_volume": 33.75882,**

**"timestamp": 1741852635836,**

**"trade\_id": 20070767,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.31,**

**"price": 1875.49,**

**"quote\_volume": 581.4019,**

**"timestamp": 1741852634867,**

**"trade\_id": 20070760,**

**"type": "buy"**

**},**

**{**

**"base\_volume": 0.0062,**

**"price": 1875.49,**

**"quote\_volume": 11.628038,**

**"timestamp": 1741852633124,**

**"trade\_id": 20070745,**

**"type": "sell"**

**},**

**{**

**"base\_volume": 0.0412,**

**"price": 1875.49,**

**"quote\_volume": 77.270188,**

**"timestamp": 1741852631751,**

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**5、https://www.coinp.com/api/v1/cmc/orderbook/BTC\_USDT**

Parameters:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| market\_pair | string | Mandatory | A pair such as “LTC\_BTC” |
| depth | int | Recommended (used to calculate liquidity score for rankings) | Orders depth quantity: [0,5,10,20,50,100,500]   Not defined or 0 = full order book  Depth = 100 means 50 for each bid/ask side. |
| level | int | Recommended  (used to calculate liquidity score for rankings) | Level 1 – Only the best bid and ask.    Level 2 – Arranged by best bids and asks.    Level 3 – Complete order book, no aggregation. |

**response**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| timestamp | Integer  (UTC timestamp in ms) | Mandatory | Unix timestamp in milliseconds for when the last updated time occurred. |
| bids | decimal | Mandatory | An array containing 2 elements. The offer price and quantity for each bid order. |
| asks | decimal | Mandatory | An array containing 2 elements. The ask price and quantity for each ask order. |

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**"0.05032"**

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**"83171.71",**

**"0.03134"**

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**"83171.64",**

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**],**

**"timestamp": 1741852729000**

**}**

**}**

**6、https://www.coinp.com/api/v1/cmc/contracts**

**response：**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Status** | **Description** |
| ticker\_id | string | Mandatory | Identifier of a ticker with delimiter to separate base/quote, eg. BTC-PERPUSD, BTC-PERPETH, BTC-PERPEUR |
| base\_currency | string | Mandatory | Symbol/currency code of base pair, eg. BTC |
| quote\_currency | string | Mandatory | Symbol/currency code of quote pair, eg. ETH |
| last\_price | decimal | Mandatory | Last transacted price of base currency based on given quote currency |
| base\_volume | decimal | Mandatory | 24 hour trading volume in BASE currency |
| USD\_volume | decimal | Recommended | 24 hour trading volume in USD |
| quote\_volume | decimal | Mandatory | 24 hour trading volume in QUOTE currency |
| bid | decimal | Mandatory | Current highest bid price |
| ask | decimal | Mandatory | Current lowest ask price |
| high | decimal | Mandatory | Rolling 24-hour highest transaction price |
| low | decimal | Mandatory | Rolling 24-hour lowest transaction price |
| product\_type | string | Mandatory | Futures, Perpetual, Options |
| open\_interest | decimal | Mandatory | The number of outstanding derivatives  contracts that have not been settled |
| open\_interest\_usd | decimal | Mandatory | The sum of the Open Positions (long or short) in USD Value of the contract |
| index\_price | decimal | Mandatory | Last calculated index price for underlying of contract |
| creation\_timestamp | Integer  (UTC timestamp in ms) | Mandatory  (only for expirable futures/options) | Start date of derivative (**not needed for perpetual swaps**) |
| expiry\_timestamp | Integer  (UTC timestamp in ms) | Mandatory  (only for expirable futures/options) | End date of derivative (**not needed for perpetual swaps**) |
| funding\_rate | decimal | Mandatory | Current funding rate |
| next\_funding\_rate | decimal | Recommended | Upcoming predicted funding rate |
| next\_funding\_rate\_timestamp | Integer  (UTC timestamp in ms) | Mandatory | Timestamp of the next funding rate change |
| maker\_fee | decimal | Recommended | Fees for filling a “maker” order (can be negative if rebate is given) |
| taker\_fee | decimal | Recommended | Fees for filling a “taker” order (can be negative if rebate is given) |

**7、https://www.coinp.com/api/v1/cmc/contract/orderbook**

**response**

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

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**"data": {**

**"asks": [**

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**"timestamp": 1741854107**

**}**

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