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# **coinpaprika-py Documentation**

**CoinQuanta**

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## Getting Started

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coinpaprikaAPI-py is a python package that provides simple access to CoinPaprika's API. CoinpaprikaAPI-py aims to be easy to use and follows all of all of Coinpaprika's rules and limitations. With CoinpaprikaAPI-py there's no need to use *sleep* statements or implement rate limit decorators, the package does it all for you.

CoinpaprikaAPI-py's documentation is organized into the following sections:



# CHAPTER 1

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## Quick Start

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You can instantiate an instance of CoinpaprikaAPI-py like so:

```
import coinpaprikaAPI
coinpaprika = coinpaprikaAPI.Coinpaprika()
```

Using the *coinpaprikaAPI* instance, you can then interact with Coinpaprika's API:

```
# Get all coins
all_coins = coinpaprika.coins()

# Get coin by ID
bitcoin_data = coinpaprika.coin("btc-bitcoin")

# Get tickers for all coins
all_coin_tickers = coinpaprika.tickers(quotes="USD,BTC")

# Get ticker by ID
bitcoin_ticker_data = coinpaprika.ticker("btc-bitcoin")

# Get all exchanges
all_exchanges = coinpaprika.exchanges()

# Get exchange by ID
binance_exchange_data = coinpaprika.exchange("binance")
```



## CHAPTER 2

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### Installing coinpaprikaAPI-py

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CoinpaprikaAPI-py is supported on python3.4, 3.5, 3.6 and 3.7. The recommended and quickest way to install CoinpaprikaAPI-py is through [pip](#).

```
pip install coinpaprikaAPI-py
```

Alternatively, you can clone the repository and run setup.py.

```
git clone https://github.com/CoinQuanta/coinpaprikaAPI-py
cd coinpaprikaAPI-py && python setup.py install
```



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## The CoinpaprikaAPI Instance

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```

class coinpaprikaAPI.coinpaprikaAPI.Coinpaprika (debug=False,          headers=None,
                                                proxy=None, *args, **kwargs)
    Bases: coinpaprikaAPI.common.request.Request

    coin (coin_id)
        Get coin data by ID.

        Parameters coin_id (str) –

        Return type Dict[str, Union[str, int, Dict[~KT, ~VT]]]

    coin_exchanges (coin_id)
        Get exchanges by coin ID.

        Parameters coin_id (str) –

        Return type List[Dict[str, Union[str, int, List[Dict[~KT, ~VT]]]]]

    coins ()
        List all available coins.

        Parameters coin_id –

        Return type List[Dict[str, Union[str, int]]]

    events (coin_id)
        Get coin events by coin ID.

        Parameters coin_id (str) –

        Return type List[Dict[str, Union[str, bool]]]

    exchange (exchange_id, quotes="")
        Get exchange by ID.

        Parameters

        • exchange_id (str) –

        • quotes (str) – Comma separated list of quotes to return.

```

**exchange\_markets** (*exchange\_id*, *quotes=""*)

Get markets by exchange ID.

**Parameters**

- **exchange\_id** (*str*) –
- **quotes** (*str*) – Comma separated list of quotes to return.

**exchanges** (*quotes=""*)

List exchanges.

**Parameters** **quotes** (*str*) – Comma separated list of quotes to return.

**global\_market** ()

Get market overview.

**Return type** `Dict[str, Union[str, int]]`

**historical\_tickers** (*coin\_id*, \*, *start\_date*, *end\_date=""*, *limit=1000*, *quote='usd'*, *interval='5m'*)

Get historical tickers for specific coin.

**Parameters**

- **coin\_id** (*str*) –
- **start\_date** (*str*) – Start point for historical data.
- **end\_date** (*str*) – End point for historical data.
- **limit** (*int*) – Limit of result rows.
- **quote** (*str*) – Returned data quote.
- **interval** (*str*) – Returned points interval.

**markets** (*coin\_id*)

Get markets by coin ID.

**Parameters** **coin\_id** (*str*) –

**Return type** `List[Dict[str, Union[str, bool, float, Dict[str, Dict[str, float]]]]`

**ohlcv** (*coin\_id*, *quote='usd'*)

Get OHLC for last full day.

**Parameters**

- **coin\_id** –
- **quote** – Returned data quote.

**Return type** `List[Dict[str, Union[str, int]]]`

**ohlcv** (*coin\_id*, \*, *start\_date*, *end\_date=""*, *limit=1*, *quote='usd'*)

Get historical OHLC.

**Parameters**

- **coin\_id** –
- **start\_date** (*str*) – Start point for historical data.
- **end\_date** (*str*) – End point for ohlcv (max 1 year).
- **limit** (*int*) – Limit of result rows.

- **quote** (*str*) – Returned data quote.

**ohlcv\_today** (*coin\_id*, *quote*='usd')

Get today OHLC.

**Parameters**

- **coin\_id** –
- **quote** – Returned data quote.

**people** (*person\_id*)

Get people by ID.

**Parameters** **person\_id** (*str*) –

**price\_converter** (*base\_currency\_id*, *quote\_currency\_id*, *amount*=0)

Convert currencies.

**Parameters**

- **base\_currency\_id** (*str*) –
- **quote\_currency\_id** (*str*) –
- **amount** (*int*) –

**search** (*query*, *categories*="", *modifier*="", *limit*=6)

Search the Coinpaprika API.

**Parameters**

- **query** (*str*) – Phrase to search for.
- **c** – One or more categories (comma separated) to search.
- **modifier** (*str*) – Set modifier for search results.
- **limit** (*int*) – Limit of results per category.

**tag** (*tag\_id*, *additional\_fields*="")

Get tag by ID.

**Parameters**

- **tag\_id** (*str*) –
- **additional\_fields** – Comma separated list of additional fields to include in query result for each tag.

**tags** (*additional\_fields*="")

List tags.

**Parameters** **additional\_fields** – Comma separated list of additional fields to include in query result for each tag.

**ticker** (*coin\_id*, *quotes*="")

Get ticker information for specific coin.

**Parameters**

- **coin\_id** (*str*) –
- **quotes** – Comma separated list of quotes to return.

**tickers** (*quotes*="")

Get tickers for all coins.

**Parameters** `quotes` – Comma separated list of quotes to return.

**twitter** (*coin\_id*)

Get twitter timeline for coin.

**Parameters** `coin_id` (*str*) –

**Return type** `List[Dict[str, Union[str, int]]]`

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