Rest API

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Description:

This paper demonstrates how to fetch a historical stock price from eodhistoricaldata.com via curl. Here, I have provided an essential command and URL, as well as explained all the URL structure. So, feel free to adjust some parameters to get specific data.

REST API curl command

To get historical stock price data use the following command and URL.

curl https://eodhistoricaldata.com/api/eod/MCD.US?api_token=demo

output : csv file that contains the daily MacDonald price data including Open, High, Low, Close, Adjusted Close, and Volume respectively, from 1996 to present.

Note: All parameters in the above URL are set as default, so try to configurate the parameters, which described below, to get specific data. In addition, each parameter is connected by "&".

MCD.US consists of two parts: {SYMBOL_NAME}.{EXCHANGE_ID}, then you can use, for example, MCD.MX for Mexican Stock Exchange. or MCD.US for NYSE. Check the list of supported exchanges to get more information about the stock markets we do support.

api_token – your own API KEY, which you will get after you subscribe to the website.

fmt – the output format. Possible values are 'csv' for CSV output and 'json' for JSON output. Default value: 'csv'.

period – use 'd' for daily, 'w' for weekly, 'm' for monthly prices. By default, daily prices will be shown.

order – use 'a' for ascending dates (from old to new), 'd' for descending dates (from new to old). By default, dates are shown in ascending order.

from and to – the format is 'YYYY-MM-DD'. If you need data from Jan 5, 2017, to Feb 10, 2017, you should use from=2017-01-05 and to=2017-02-10.

Note: for demo account, you can access only three stocks including APPL, VTI, and MCD.

For example,

this is the URL that gets monthly historical data of Apple Inc's stock price from November 1, 2022, to Jan 1,2023 in Json format.

curl "https://eodhistoricaldata.com/api/eod/AAPL.US?api_token=demo&fmt=json&period=m&from=2022-11-01&to=2023-01-01"

Note: It is importance to keep the URL between a double quote ("") when asking for additional specific request.

Here is the result,

[{"date":"2022-11-01","open":155.08,"high":155.45,"low":134.38,"close":148.03,"adjusted_close":148.03,"volume":1724847700},{"date":"2022-12-01","open":148.21,"high":150.92,"low":125.87,"close":129.93,"adjusted_close":129.93,"volume":1675657600}]