V4 dYdX CLI Python Script

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Update History

Version 1: Initial Aug 24, 2023. Commands supported: balance, positions, buyquantity, sellquantity, buyusdc, sellusdc, and getorder.

Requirements:

1. Python3 Library: dydx4, dydxpy

Preparation:

1. Modify the script and set the DYDX_TEST_MNEMONIC parameter. It is now ready for use. Read the V3 CLI documentation as it is essentially the same thing, except we don't use a parameter file for the V4 CLI so you need to specify /dev/null where the CLI would expert a parameter file.

```
import os
import time
from datetime import datetime
from dydx4 import chain
from dydx4 import clients
from os import path
from random import randrange
from requests import get
from sys import argv


######################### YOU FILL THIS OUT ################
DYDX_TEST_MNEMONIC = '<FILL_THIS_OUT>'
##########################################################

#ordermarket/orderside/ordertype/ordersize/orderprice/orderexpiration/ordertif/clientid
def sendorder():
        global place_order_result
        print(datetime.now().strftime("%Y-%m-%d %H:%M:%S")+' sendorder()')
        place_order_result = client.place_order(
                subaccount,
                market = ordermarket,
                type = ordertype,
                side = orderside,
                price = orderprice,
                size = ordersize,
                client_id = clientid,
                time_in_force = ordertif,
                good_til_time_in_seconds = orderexpiration,
```

2. If you would like to store the DYDX_TEST_MNEMONIC parameter in a separate file, that is possible also. See examples below.

Commands:

1. Same commands as V3 CLI, except we don't use a parameter file so specify /dev/null in its place, for example: python3 v4dydxcli.py /dev/null balance. If you put the DYDX_TEST_MNEMONIC parameter in a separate file, you may specify that, for example: python3 v4dydxcli.py testconfig.py balance