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V4 dYdX CLI Python Script

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Version: 1.1

Update History

Version 1.1: Document all commands. New commands: getorderid, buyquantitylimit, sellquantitylimit, cancelorder

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

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Command syntax

- Run the script like this:
 - Syntax

```
python3 v4dydxcli.py <apikeyfile> <command> <parameters>
```

where:

<apikeyfile> is the apikeyfile, and

<command> is the command, and

<parameters> are any parameters required by the command

Command: balance

This command gets the balance of all of your subaccounts or a specific subaccount.

- Parameters: None required. May optionally specify a single subaccount to only display the balance for that subaccount.
- Syntax

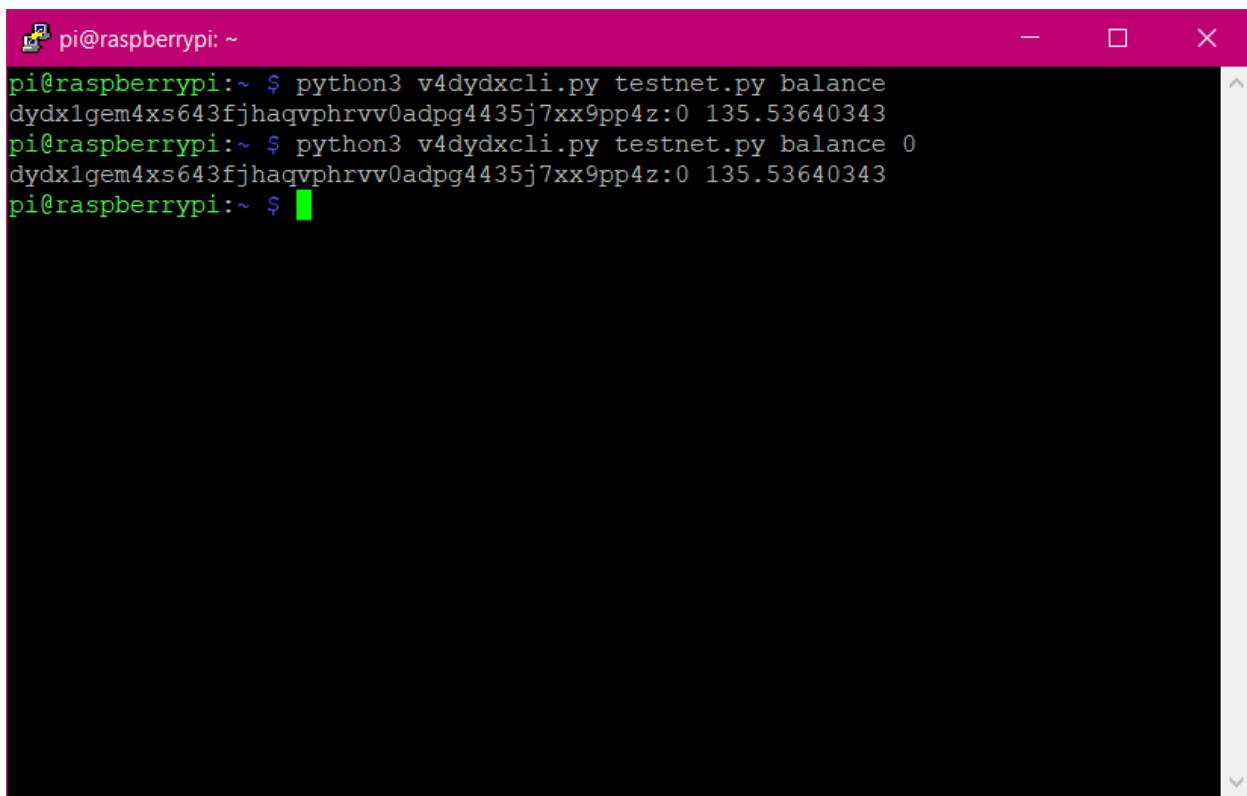
```
python3 v4dydxcli.py <apikeyfile> balance <optional: subaccount>
```

- Examples

```
python3 v4dydxcli.py testnet.py balance
```

```
python3 v4dydxcli.py testnet.py balance 0
```

- Screenshot



The screenshot shows a terminal window titled 'pi@raspberrypi: ~'. It displays two command-line executions of the 'balance' command. The first execution uses the 'testnet.py' argument, resulting in a long string of characters representing a subaccount ID followed by a balance of '135.53640343'. The second execution uses the '0' argument, also resulting in the same subaccount ID and balance. The terminal window has a standard Linux-style interface with a title bar and scroll bars on the right side.

```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py balance
dydx1gem4xs643fjhaqvphrvv0adpg4435j7xx9pp4z:0 135.53640343
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py balance 0
dydx1gem4xs643fjhaqvphrvv0adpg4435j7xx9pp4z:0 135.53640343
pi@raspberrypi:~ $
```

Command: buyquantity

This command buys a specific amount of crypto using MARKET order.

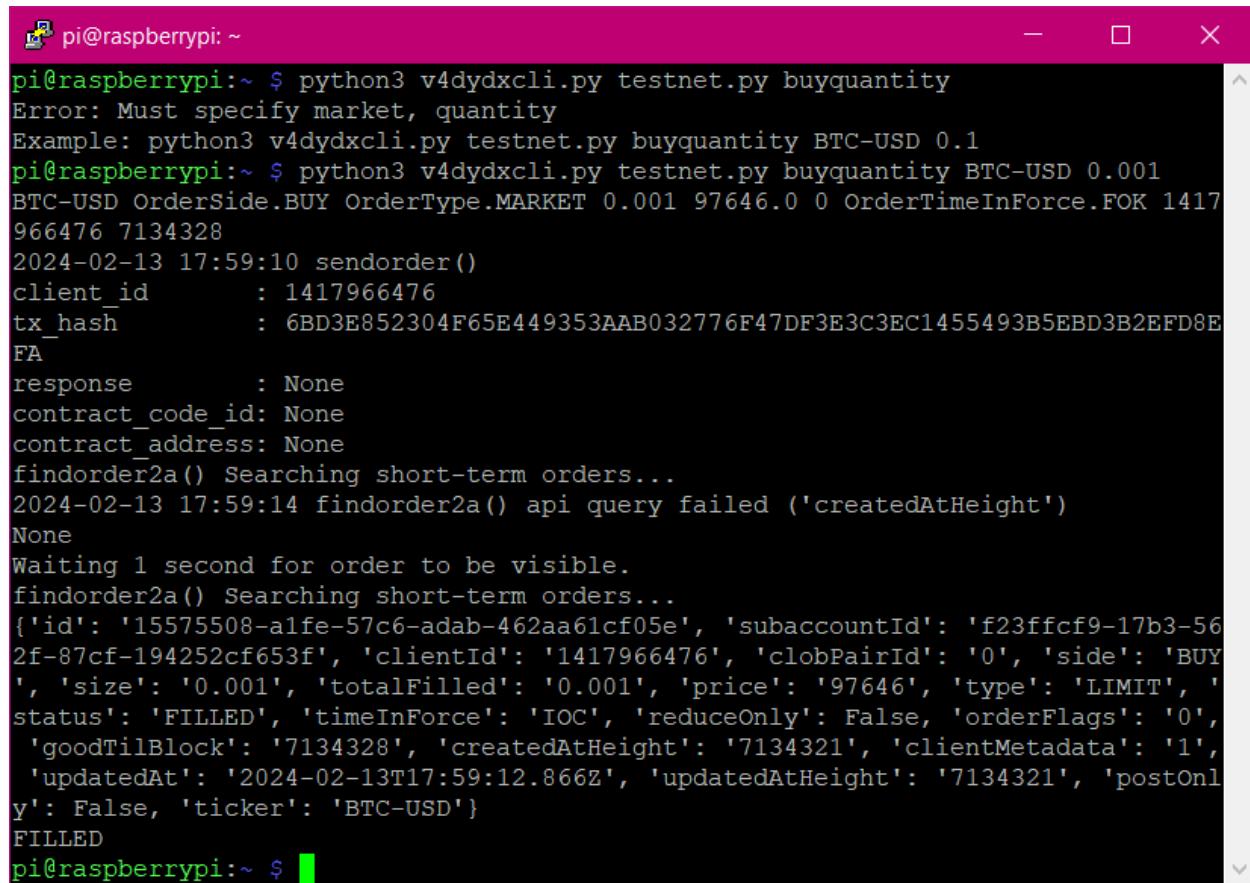
- Parameters: Must specify the market and amount.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> buyquantity <market> <quantity>
```

- Example

```
python3 v4dydxcli.py testnet.py buyquantity BTC-USD 0.001
```

- Screenshot



```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py buyquantity
Error: Must specify market, quantity
Example: python3 v4dydxcli.py testnet.py buyquantity BTC-USD 0.1
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py buyquantity BTC-USD 0.001
BTC-USD OrderSide.BUY OrderType.MARKET 0.001 97646.0 0 OrderTimeInForce.FOK 1417
966476 7134328
2024-02-13 17:59:10 sendorder()
client_id      : 1417966476
tx_hash        : 6BD3E852304F65E449353AAB032776F47DF3E3C3EC1455493B5EB3B2EFD8E
FA
response       : None
contract_code_id: None
contract_address: None
findorder2a() Searching short-term orders...
2024-02-13 17:59:14 findorder2a() api query failed ('createdAtHeight')
None
Waiting 1 second for order to be visible.
findorder2a() Searching short-term orders...
{'id': '15575508-alfe-57c6-adab-462aa61cf05e', 'subaccountId': 'f23ffcf9-17b3-56
2f-87cf-194252cf653f', 'clientId': '1417966476', 'clobPairId': '0', 'side': 'BUY
', 'size': '0.001', 'totalFilled': '0.001', 'price': '97646', 'type': 'LIMIT', 'status': 'FILLED', 'timeInForce': 'IOC', 'reduceOnly': False, 'orderFlags': '0', 'goodTilBlock': '7134328', 'createdAtHeight': '7134321', 'clientMetadata': '1', 'updatedAt': '2024-02-13T17:59:12.866Z', 'updatedAtHeight': '7134321', 'postOnly': False, 'ticker': 'BTC-USD'}
FILLED
pi@raspberrypi:~ $
```

Command: sellquantity

This command sells a specific amount of crypto using MARKET order.

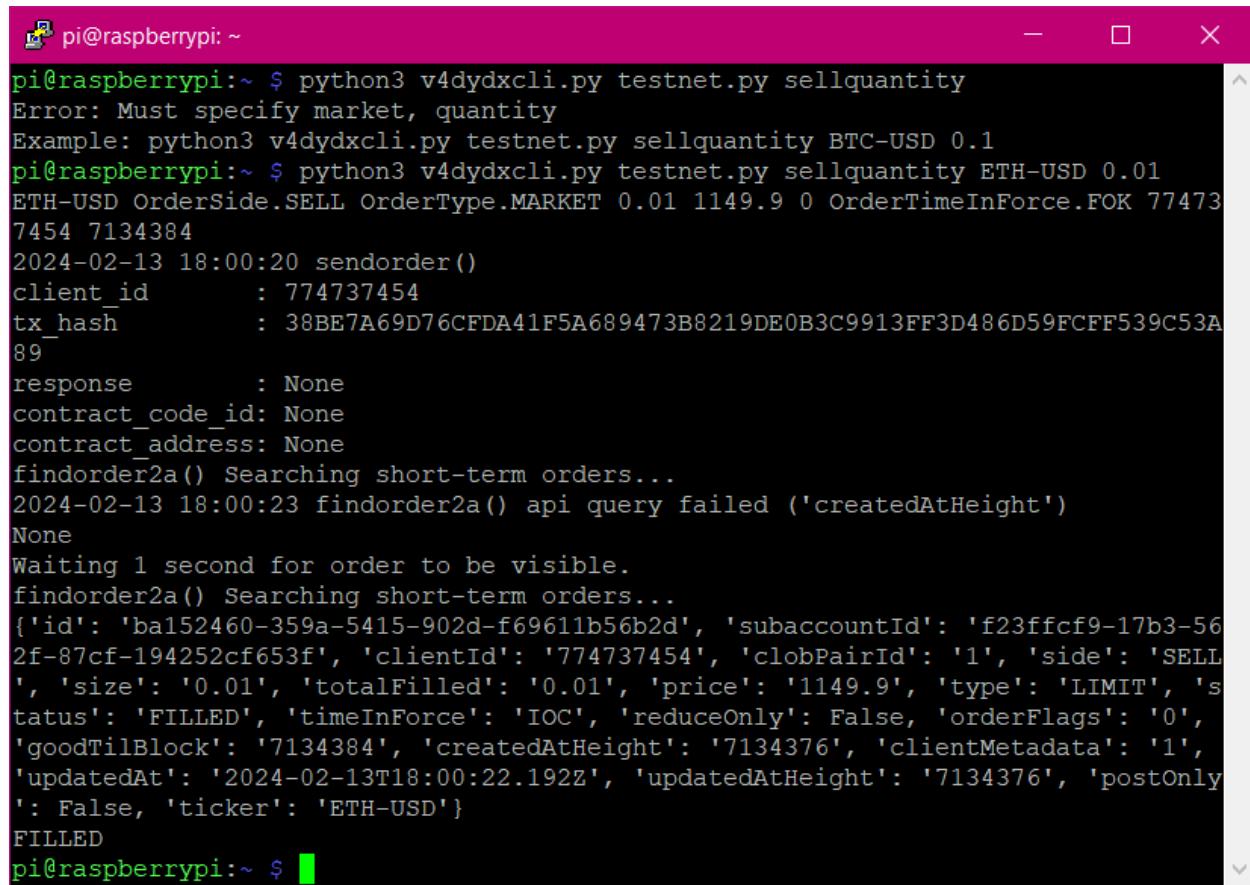
- Parameters: Must specify the market and amount.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> sellquantity <market> <quantity>
```

- Example

```
python3 v4dydxcli.py testnet.py sellquantity ETH-USD 0.01
```

- Screenshot



```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py sellquantity
Error: Must specify market, quantity
Example: python3 v4dydxcli.py testnet.py sellquantity BTC-USD 0.1
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py sellquantity ETH-USD 0.01
ETH-USD OrderSide.SELL OrderType.MARKET 0.01 1149.9 0 OrderTimeInForce.FOK 77473
7454 7134384
2024-02-13 18:00:20 sendorder()
client_id      : 774737454
tx_hash        : 38BE7A69D76CFDA41F5A689473B8219DE0B3C9913FF3D486D59FCFF539C53A
89
response       : None
contract_code_id: None
contract_address: None
findorder2a() Searching short-term orders...
2024-02-13 18:00:23 findorder2a() api query failed ('createdAtHeight')
None
Waiting 1 second for order to be visible.
findorder2a() Searching short-term orders...
{"id": "ba152460-359a-5415-902d-f69611b56b2d", "subaccountId": "f23ffcf9-17b3-56
2f-87cf-194252cf653f", "clientId": "774737454", "clobPairId": "1", "side": "SELL
", "size": "0.01", "totalFilled": "0.01", "price": "1149.9", "type": "LIMIT", "s
tatus": "FILLED", "timeInForce": "IOC", "reduceOnly": False, "orderFlags": "0",
"goodTilBlock": "7134384", "createdAtHeight": "7134376", "clientMetadata": "1",
"updatedAt": "2024-02-13T18:00:22.192Z", "updatedAtHeight": "7134376", "postonly
": False, "ticker": "ETH-USD"}
FILLED
pi@raspberrypi:~ $
```

Command: buyusdc

This command buys a specific USD-amount of crypto using MARKET order.

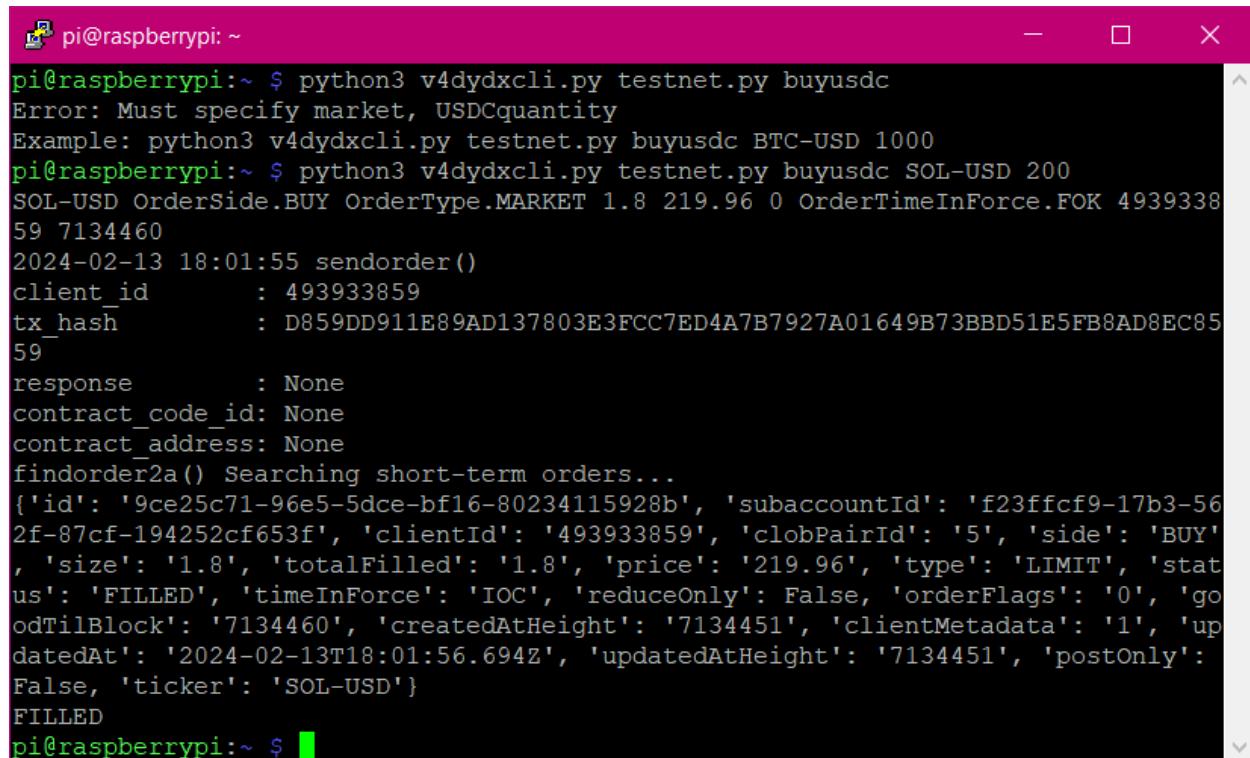
- Parameters: Must specify the market and USD-amount.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> buyusdc <market> <USD-amount>
```

- Example

```
python3 v4dydxcli.py testnet.py buyusdc SOL-USD 200
```

- Screenshot



A terminal window titled 'pi@raspberrypi: ~' showing the execution of the 'buyusdc' command. The command is run with the argument 'SOL-USD 200'. The output shows an error message about specifying the market and USD quantity, followed by an example command, and finally the successful creation of a market order for 200 SOL-USD at a price of 219.96. The order is identified by its ID: 493933859, client ID: 493933859, and tx hash: D859DD911E89AD137803E3FCC7ED4A7B7927A01649B73BBD51E5FB8AD8EC85. The order is marked as FILLED.

```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py buyusdc
Error: Must specify market, USDCquantity
Example: python3 v4dydxcli.py testnet.py buyusdc BTC-USD 1000
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py buyusdc SOL-USD 200
SOL-USD OrderSide.BUY OrderType.MARKET 1.8 219.96 0 OrderTimeInForce.FOK 4939338
59 7134460
2024-02-13 18:01:55 sendorder()
client_id      : 493933859
tx_hash        : D859DD911E89AD137803E3FCC7ED4A7B7927A01649B73BBD51E5FB8AD8EC85
59
response       : None
contract_code_id: None
contract_address: None
findorder2a() Searching short-term orders...
{'id': '9ce25c71-96e5-5dce-bf16-80234115928b', 'subaccountId': 'f23ffcf9-17b3-56
2f-87cf-194252cf653f', 'clientId': '493933859', 'clobPairId': '5', 'side': 'BUY'
, 'size': '1.8', 'totalFilled': '1.8', 'price': '219.96', 'type': 'LIMIT', 'stat
us': 'FILLED', 'timeInForce': 'IOC', 'reduceOnly': False, 'orderFlags': '0', 'go
odTilBlock': '7134460', 'createdAtHeight': '7134451', 'clientMetadata': '1', 'up
datedAt': '2024-02-13T18:01:56.694Z', 'updatedAtHeight': '7134451', 'postOnly':
False, 'ticker': 'SOL-USD'}
FILLED
pi@raspberrypi:~ $
```

Command: sellusdc

This command sells a specific USD-amount of crypto using MARKET order.

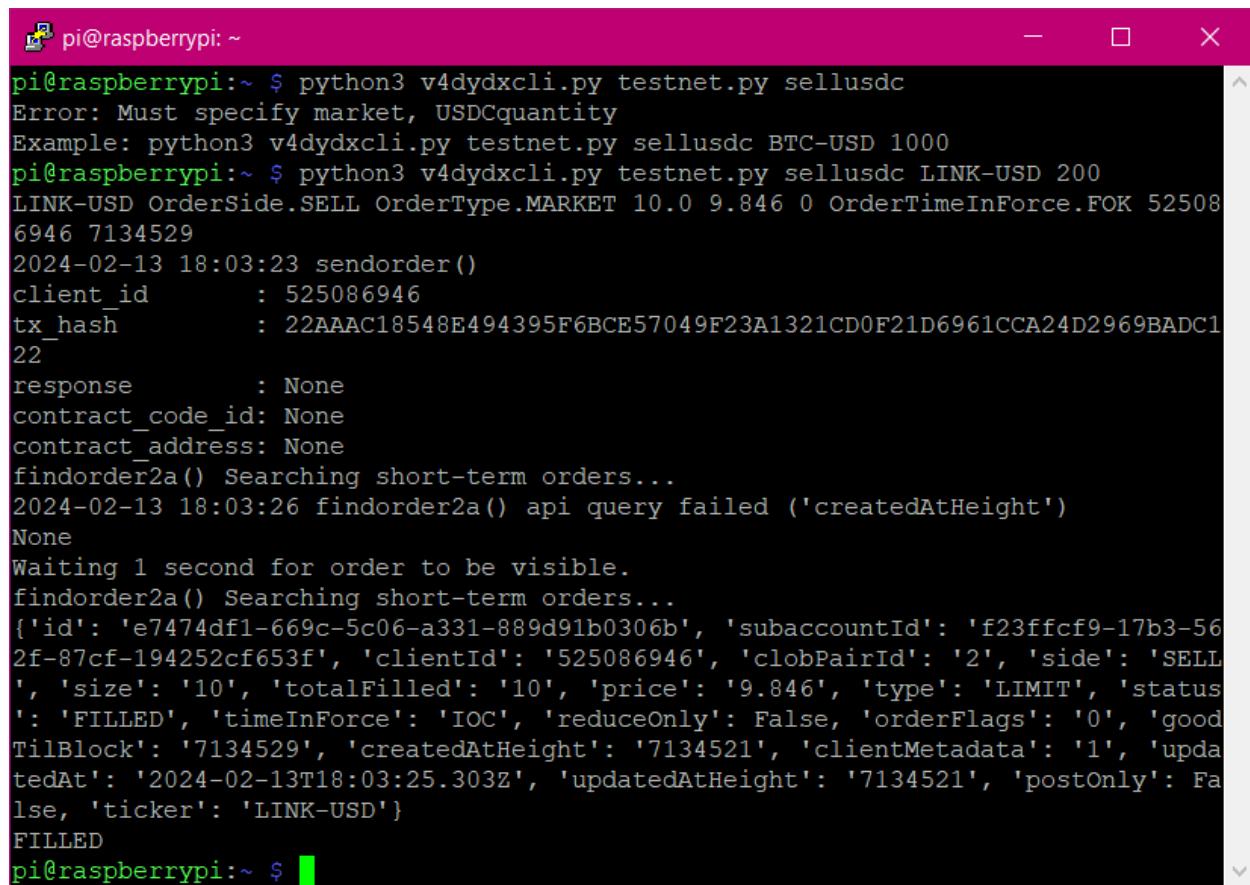
- Parameters: Must specify the market and USD-amount.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> sellusdc <market> <USD-amount>
```

- Example

```
python3 v4dydxcli.py testnet.py sellusdc LINK-USD 200
```

- Screenshot



A terminal window titled "pi@raspberrypi: ~" showing the execution of the `sellusdc` command. The output shows an error for specifying market and USD quantity, followed by an example command, and then the execution of the command itself. The command sends a MARKET order for 200 LINK-USD at 9.846. The response includes client_id, tx_hash, and a detailed order object with fields like id, subaccountId, clientId, clobPairId, side, size, totalFilled, price, type, status, timeInForce, reduceOnly, orderFlags, goodTilBlock, createdAtHeight, clientMetadata, updatedAt, updatedAtHeight, and postOnly. The order is marked as FILLED.

```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py sellusdc
Error: Must specify market, USDCquantity
Example: python3 v4dydxcli.py testnet.py sellusdc BTC-USD 1000
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py sellusdc LINK-USD 200
LINK-USD OrderSide.SELL OrderType.MARKET 10.0 9.846 0 OrderTimeInForce.FOK 52508
6946 7134529
2024-02-13 18:03:23 sendorder()
client_id      : 525086946
tx_hash        : 22AAC18548E494395F6BCE57049F23A1321CD0F21D6961CCA24D2969BADC1
22
response       : None
contract_code_id: None
contract_address: None
findorder2a() Searching short-term orders...
2024-02-13 18:03:26 findorder2a() api query failed ('createdAtHeight')
None
Waiting 1 second for order to be visible.
findorder2a() Searching short-term orders...
{"id": "e7474df1-669c-5c06-a331-889d91b0306b", "subaccountId": "f23ffcf9-17b3-56
2f-87cf-194252cf653f", "clientId": "525086946", "clobPairId": "2", "side": "SELL
", "size": "10", "totalFilled": "10", "price": "9.846", "type": "LIMIT", "status
": "FILLED", "timeInForce": "IOC", "reduceOnly": False, "orderFlags": "0", "good
TilBlock": "7134529", "createdAtHeight": "7134521", "clientMetadata": "1", "upda
tedAt": "2024-02-13T18:03:25.303Z", "updatedAtHeight": "7134521", "postOnly": Fa
lse, "ticker": "LINK-USD"}
FILLED
pi@raspberrypi:~ $
```

Command: positions

This command shows open positions. If no open positions, it returns nothing. If you have been following the examples so far, we have opened 4 positions and this is displayed below.

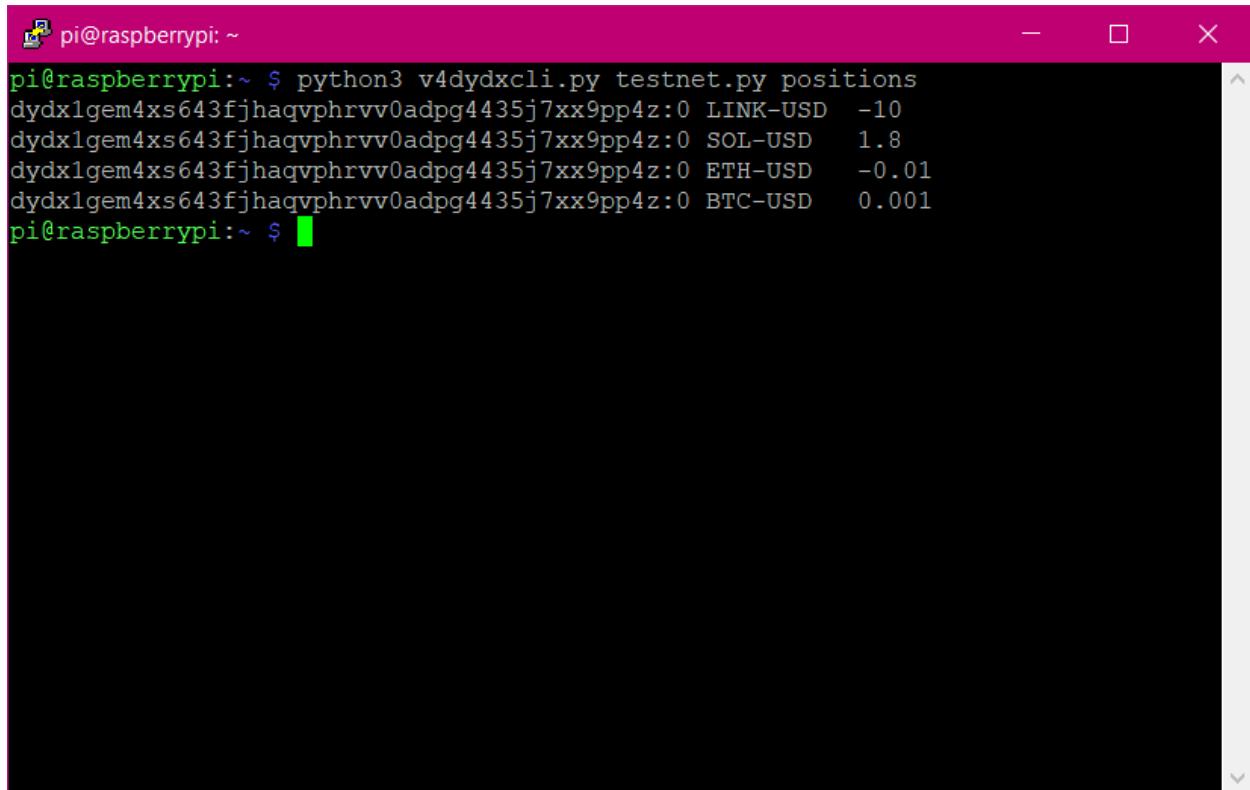
- Parameters: None.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> positions
```

- Example

```
python3 v4dydxcli.py testnet.py positions
```

- Screenshot



A terminal window titled "pi@raspberrypi: ~" showing the output of the command "python3 v4dydxcli.py testnet.py positions". The window has a dark background with light-colored text. It displays four open positions:

```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py positions
dydx1gem4xs643fjhaqvphrvv0adpg4435j7xx9pp4z:0 LINK-USD -10
dydx1gem4xs643fjhaqvphrvv0adpg4435j7xx9pp4z:0 SOL-USD 1.8
dydx1gem4xs643fjhaqvphrvv0adpg4435j7xx9pp4z:0 ETH-USD -0.01
dydx1gem4xs643fjhaqvphrvv0adpg4435j7xx9pp4z:0 BTC-USD 0.001
pi@raspberrypi:~ $
```

Command: buyquantitylimit

This command buys a specific amount of crypto using LIMIT order.

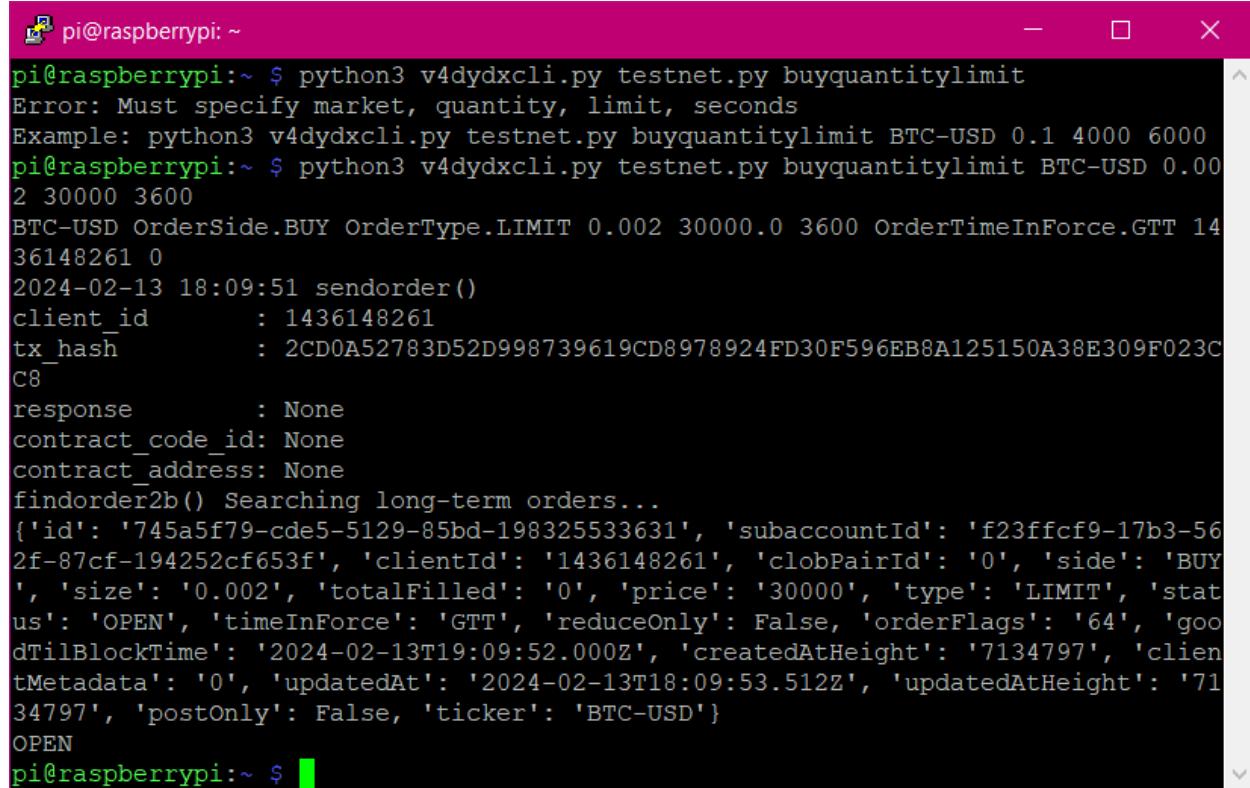
- Parameters: Must specify the market, quantity, limit-price, and expiration (in seconds).
- Syntax

```
python3 v4dydxcli.py <apikeyfile> buyquantitylimit <market> <quantity> <limitprice>
<expiration>
```

- Example

```
python3 v4dydxcli.py testnet.py buyquantitylimit BTC-USD 0.002 30000 3600
```

- Screenshot



```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py buyquantitylimit
Error: Must specify market, quantity, limit, seconds
Example: python3 v4dydxcli.py testnet.py buyquantitylimit BTC-USD 0.1 4000 6000
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py buyquantitylimit BTC-USD 0.00
2 30000 3600
BTC-USD OrderSide.BUY OrderType.LIMIT 0.002 30000.0 3600 OrderTimeInForce.GTT 14
36148261 0
2024-02-13 18:09:51 sendorder()
client_id      : 1436148261
tx_hash        : 2CD0A52783D52D998739619CD8978924FD30F596EB8A125150A38E309F023C
C8
response       : None
contract_code_id: None
contract_address: None
findorder2b() Searching long-term orders...
{'id': '745a5f79-cde5-5129-85bd-198325533631', 'subaccountId': 'f23ffcf9-17b3-56
2f-87cf-194252cf653f', 'clientId': '1436148261', 'clobPairId': '0', 'side': 'BUY
', 'size': '0.002', 'totalFilled': '0', 'price': '30000', 'type': 'LIMIT', 'stat
us': 'OPEN', 'timeInForce': 'GTT', 'reduceOnly': False, 'orderFlags': '64', 'go
dTilBlockTime': '2024-02-13T19:09:52.000Z', 'createdAtHeight': '7134797', 'clien
tMetadata': '0', 'updatedAt': '2024-02-13T18:09:53.512Z', 'updatedAtHeight': '71
34797', 'postOnly': False, 'ticker': 'BTC-USD'}
OPEN
pi@raspberrypi:~ $
```

Command: sellquantitylimit

This command sells a specific amount of crypto using LIMIT order.

- Parameters: Must specify the market, quantity, limit-price, and expiration (in seconds).
- Syntax

```
python3 v4dydxcli.py <apikeyfile> sellquantitylimit <market> <quantity> <limitprice>
<expiration>
```

- Example

```
python3 v4dydxcli.py testnet.py sellquantitylimit ETH-USD 0.02 4000 3600
```

- Screenshot

```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py sellquantitylimit
Error: Must specify market, quantity, limit, seconds
Example: python3 v4dydxcli.py testnet.py sellquantitylimit BTC-USD 0.1 400000 60
00
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py sellquantitylimit ETH-USD 0.0
2 4000 3600
ETH-USD OrderSide.SELL OrderType.LIMIT 0.02 4000.0 3600 OrderTimeInForce.GTT 314
604016 0
2024-02-13 18:11:38 sendorder()
client_id      : 314604016
tx_hash        : 62E348D2D42D256419C4482A78531A3B23F3BDF2BC3E347006F6887838FDB5
A8
response       : None
contract_code_id: None
contract_address: None
findorder2b() Searching long-term orders...
{'id': '5c788439-b027-51a3-9f3d-91aa0e63e02', 'subaccountId': 'f23ffcf9-17b3-56
2f-87cf-194252cf653f', 'clientId': '314604016', 'clobPairId': '1', 'side': 'SELL
', 'size': '0.02', 'totalFilled': '0', 'price': '4000', 'type': 'LIMIT', 'status
': 'OPEN', 'timeInForce': 'GTT', 'reduceOnly': False, 'orderFlags': '64', 'goodT
ilBlockTime': '2024-02-13T19:11:39.000Z', 'createdAtHeight': '7134874', 'clientM
etadata': '0', 'updatedAt': '2024-02-13T18:11:40.061Z', 'updatedAtHeight': '7134
874', 'postOnly': False, 'ticker': 'ETH-USD'}
OPEN
pi@raspberrypi:~ $
```

Command: getorder

This command gets the data on an order with a specific client-id. Alternatively, you can specify a status to find all orders with that status.

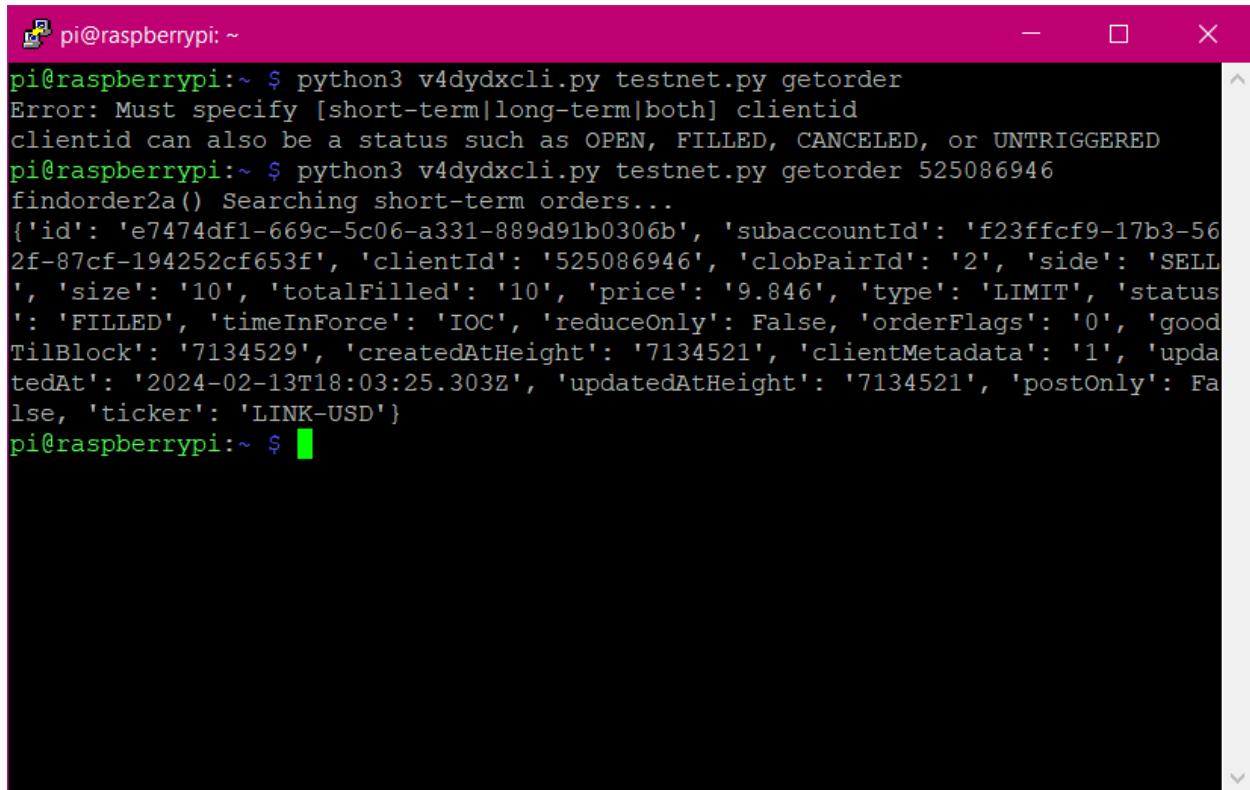
- Parameters: Must specify the client-id or a status.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> getorder <clientid or status>
```

- Example

```
python3 v4dydxcli.py testnet.py getorder 525086946
```

- Screenshot



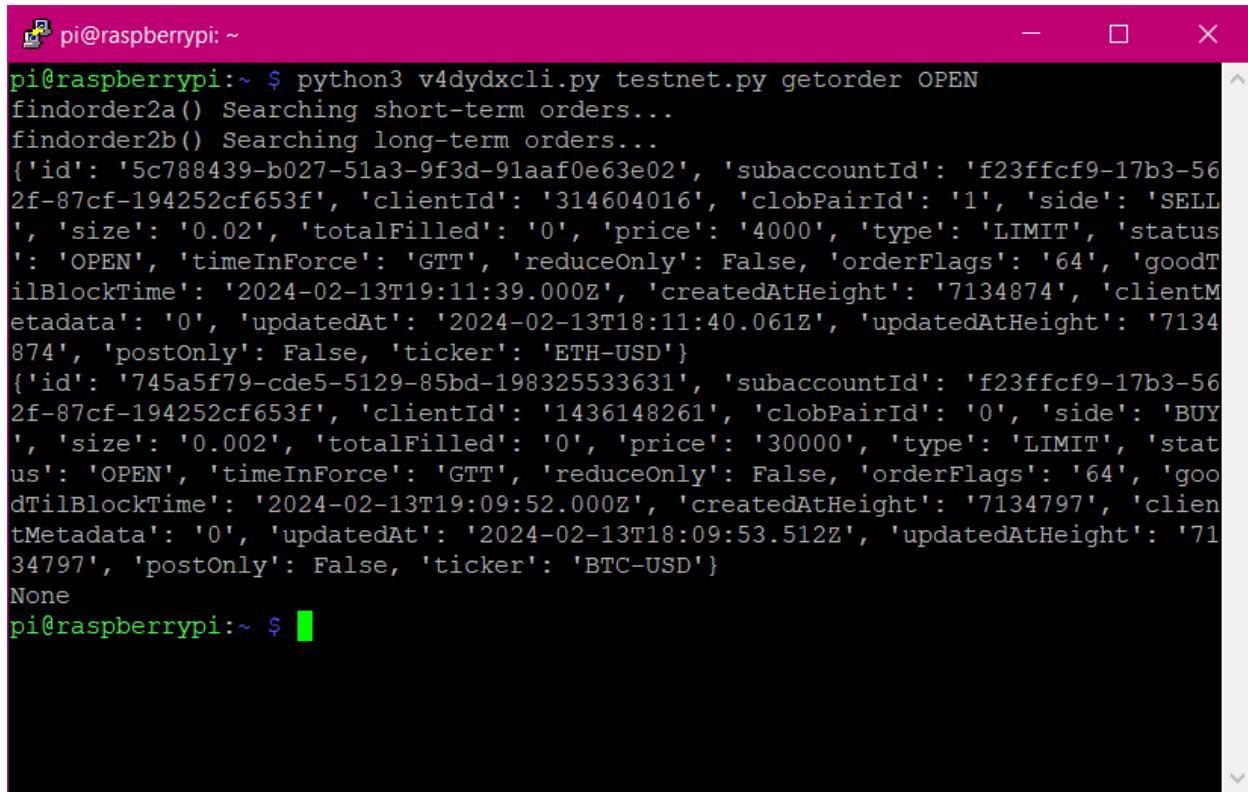
The screenshot shows a terminal window titled 'pi@raspberrypi: ~'. The user has run the command 'python3 v4dydxcli.py testnet.py getorder' and received an error message: 'Error: Must specify [short-term|long-term|both] clientid'. The user then runs the command again with the clientid '525086946' and receives a JSON response detailing a single order:

```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py getorder
Error: Must specify [short-term|long-term|both] clientid
clientid can also be a status such as OPEN, FILLED, CANCELED, or UNTRIGGERED
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py getorder 525086946
findorder2a() Searching short-term orders...
{"id": "e7474df1-669c-5c06-a331-889d91b0306b", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "525086946", "clobPairId": "2", "side": "SELL", "size": "10", "totalFilled": "10", "price": "9.846", "type": "LIMIT", "status": "FILLED", "timeInForce": "IOC", "reduceOnly": False, "orderFlags": "0", "goodTilBlock": "7134529", "createdAtHeight": "7134521", "clientMetadata": "1", "updatedAt": "2024-02-13T18:03:25.303Z", "updatedAtHeight": "7134521", "postOnly": False, "ticker": "LINK-USD"}  
pi@raspberrypi:~ $
```

- Example

```
python3 v4dydxcli.py testnet.py getorder OPEN
```

- Screenshot



```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py getorder OPEN
findorder2a() Searching short-term orders...
findorder2b() Searching long-term orders...
[{"id": "5c788439-b027-51a3-9f3d-91aaf0e63e02", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "314604016", "clobPairId": "1", "side": "SELL", "size": "0.02", "totalFilled": "0", "price": "4000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:11:39.000Z", "createdAtHeight": "7134874", "clientMetadata": "0", "updatedAt": "2024-02-13T18:11:40.061Z", "updatedAtHeight": "7134874", "postOnly": False, "ticker": "ETH-USD"}, {"id": "745a5f79-cde5-5129-85bd-198325533631", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "1436148261", "clobPairId": "0", "side": "BUY", "size": "0.002", "totalFilled": "0", "price": "30000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:09:52.000Z", "createdAtHeight": "7134797", "clientMetadata": "0", "updatedAt": "2024-02-13T18:09:53.512Z", "updatedAtHeight": "7134797", "postOnly": False, "ticker": "BTC-USD"}]
None
pi@raspberrypi:~ $
```

Command: getorderid

This command gets the data on an order with a specific order-id.

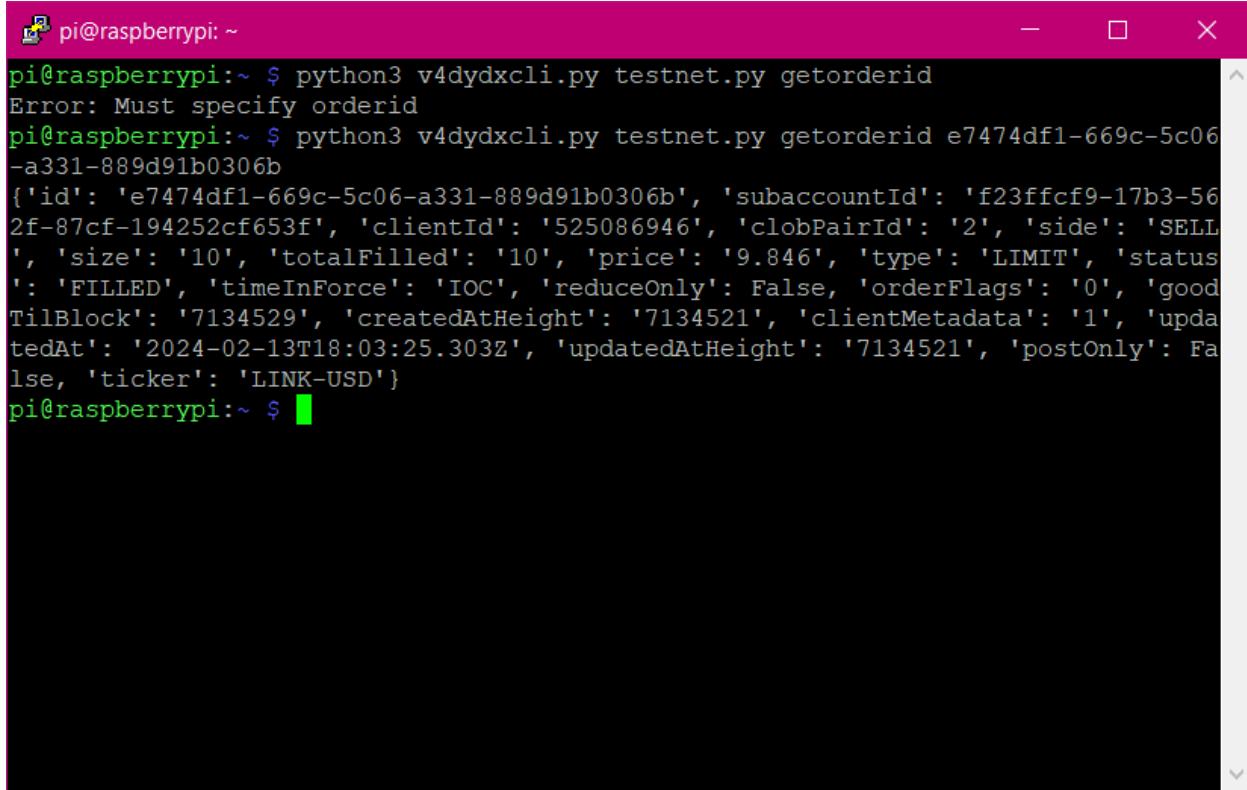
- Parameters: Must specify the order-id.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> getorderid <orderid>
```

- Example

```
python3 v4dydxcli.py testnet.py getorderid e7474df1-669c-5c06-a331-889d91b0306b
```

- Screenshot



A terminal window titled "pi@raspberrypi: ~" showing the execution of the `getorderid` command. The terminal output is as follows:

```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py getorderid
Error: Must specify orderid
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py getorderid e7474df1-669c-5c06
-a331-889d91b0306b
{'id': 'e7474df1-669c-5c06-a331-889d91b0306b', 'subaccountId': 'f23ffcf9-17b3-56
2f-87cf-194252cf653f', 'clientId': '525086946', 'clobPairId': '2', 'side': 'SELL
', 'size': '10', 'totalFilled': '10', 'price': '9.846', 'type': 'LIMIT', 'status
': 'FILLED', 'timeInForce': 'IOC', 'reduceOnly': False, 'orderFlags': '0', 'good
TilBlock': '7134529', 'createdAtHeight': '7134521', 'clientMetadata': '1', 'upda
tedAt': '2024-02-13T18:03:25.303Z', 'updatedAtHeight': '7134521', 'postOnly': Fa
lse, 'ticker': 'LINK-USD'}
pi@raspberrypi:~ $
```

Command: cancelorder

This command cancels an order with a specific client-id. Alternatively, you can specify a status to cancel all orders with that status.

- Parameters: Must specify the client-id or a status.
- Syntax

```
python3 v4dydxcli.py <apikeyfile> cancelorder <client-id or status>
```

- Example

```
python3 v4dydxcli.py testnet.py cancelorder 314604016
```

- Screenshot

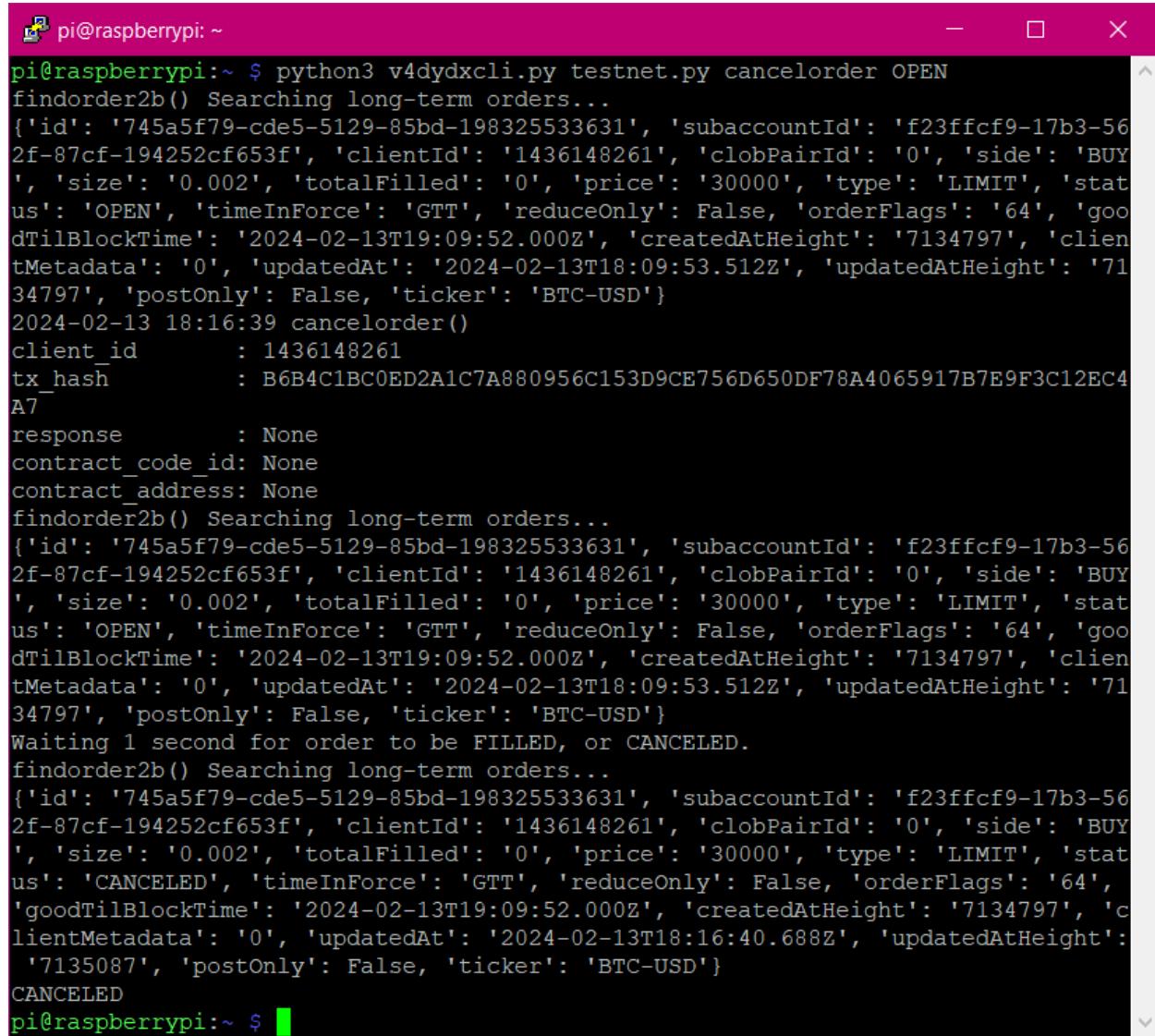


```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py cancelorder
Error: Must specify clientid
clientid can also be the status OPEN to cancel all OPEN orders
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py cancelorder 314604016
findorder2b() Searching long-term orders...
2024-02-13 18:15:41 cancelorder()
client_id      : 314604016
tx_hash        : 768BE6706EFDB3BE4FB90A7C35ECF689C72BBDBB29293D9602101D5560761BA6
response       : None
contract_code_id: None
contract_address: None
findorder2b() Searching long-term orders...
{"id": "5c788439-b027-51a3-9f3d-91aaf0e63e02", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "314604016", "clobPairId": "1", "side": "SELL", "size": "0.02", "totalFilled": "0", "price": "4000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:11:39.000Z", "createdAtHeight": "7134874", "clientMetadata": "0", "updatedAt": "2024-02-13T18:11:40.061Z", "updatedAtHeight": "7134874", "postOnly": False, "ticker": "ETH-USD"}
Waiting 1 second for order to be FILLED, or CANCELED.
findorder2b() Searching long-term orders...
{"id": "5c788439-b027-51a3-9f3d-91aaf0e63e02", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "314604016", "clobPairId": "1", "side": "SELL", "size": "0.02", "totalFilled": "0", "price": "4000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:11:39.000Z", "createdAtHeight": "7134874", "clientMetadata": "0", "updatedAt": "2024-02-13T18:11:40.061Z", "updatedAtHeight": "7134874", "postOnly": False, "ticker": "ETH-USD"}
Waiting 1 second for order to be FILLED, or CANCELED.
findorder2b() Searching long-term orders...
{"id": "5c788439-b027-51a3-9f3d-91aaf0e63e02", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "314604016", "clobPairId": "1", "side": "SELL", "size": "0.02", "totalFilled": "0", "price": "4000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:11:39.000Z", "createdAtHeight": "7134874", "clientMetadata": "0", "updatedAt": "2024-02-13T18:11:40.061Z", "updatedAtHeight": "7134874", "postOnly": False, "ticker": "ETH-USD"}
Waiting 1 second for order to be FILLED, or CANCELED.
findorder2b() Searching long-term orders...
{"id": "5c788439-b027-51a3-9f3d-91aaf0e63e02", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "314604016", "clobPairId": "1", "side": "SELL", "size": "0.02", "totalFilled": "0", "price": "4000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:11:39.000Z", "createdAtHeight": "7134874", "clientMetadata": "0", "updatedAt": "2024-02-13T18:11:40.061Z", "updatedAtHeight": "7134874", "postOnly": False, "ticker": "ETH-USD"}
Waiting 1 second for order to be FILLED, or CANCELED.
findorder2b() Searching long-term orders...
{"id": "5c788439-b027-51a3-9f3d-91aaf0e63e02", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "314604016", "clobPairId": "1", "side": "SELL", "size": "0.02", "totalFilled": "0", "price": "4000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:11:39.000Z", "createdAtHeight": "7134874", "clientMetadata": "0", "updatedAt": "2024-02-13T18:11:40.061Z", "updatedAtHeight": "7134874", "postOnly": False, "ticker": "ETH-USD"}
Waiting 1 second for order to be FILLED, or CANCELED.
findorder2b() Searching long-term orders...
{"id": "5c788439-b027-51a3-9f3d-91aaf0e63e02", "subaccountId": "f23ffcf9-17b3-562f-87cf-194252cf653f", "clientId": "314604016", "clobPairId": "1", "side": "SELL", "size": "0.02", "totalFilled": "0", "price": "4000", "type": "LIMIT", "status": "OPEN", "timeInForce": "GTT", "reduceOnly": False, "orderFlags": "64", "goodTilBlockTime": "2024-02-13T19:11:39.000Z", "createdAtHeight": "7134874", "clientMetadata": "0", "updatedAt": "2024-02-13T18:15:43.295Z", "updatedAtHeight": "7135045", "postOnly": False, "ticker": "ETH-USD"}  
CANCELED  
pi@raspberrypi:~ $
```

- Example

```
python3 v4dydxcli.py testnet.py cancelorder OPEN
```

- Screenshot



```
pi@raspberrypi:~ $ python3 v4dydxcli.py testnet.py cancelorder OPEN
findorder2b() Searching long-term orders...
{'id': '745a5f79-cde5-5129-85bd-198325533631', 'subaccountId': 'f23ffcf9-17b3-562f-87cf-194252cf653f', 'clientId': '1436148261', 'clobPairId': '0', 'side': 'BUY', 'size': '0.002', 'totalFilled': '0', 'price': '30000', 'type': 'LIMIT', 'status': 'OPEN', 'timeInForce': 'GTT', 'reduceOnly': False, 'orderFlags': '64', 'goodTilBlockTime': '2024-02-13T19:09:52.000Z', 'createdAtHeight': '7134797', 'clientMetadata': '0', 'updatedAt': '2024-02-13T18:09:53.512Z', 'updatedAtHeight': '7134797', 'postOnly': False, 'ticker': 'BTC-USD'}
2024-02-13 18:16:39 cancelorder()
client_id      : 1436148261
tx_hash        : B6B4C1BC0ED2A1C7A880956C153D9CE756D650DF78A4065917B7E9F3C12EC4
A7
response       : None
contract_code_id: None
contract_address: None
findorder2b() Searching long-term orders...
{'id': '745a5f79-cde5-5129-85bd-198325533631', 'subaccountId': 'f23ffcf9-17b3-562f-87cf-194252cf653f', 'clientId': '1436148261', 'clobPairId': '0', 'side': 'BUY', 'size': '0.002', 'totalFilled': '0', 'price': '30000', 'type': 'LIMIT', 'status': 'OPEN', 'timeInForce': 'GTT', 'reduceOnly': False, 'orderFlags': '64', 'goodTilBlockTime': '2024-02-13T19:09:52.000Z', 'createdAtHeight': '7134797', 'clientMetadata': '0', 'updatedAt': '2024-02-13T18:09:53.512Z', 'updatedAtHeight': '7134797', 'postOnly': False, 'ticker': 'BTC-USD'}
Waiting 1 second for order to be FILLED, or CANCELED.
findorder2b() Searching long-term orders...
{'id': '745a5f79-cde5-5129-85bd-198325533631', 'subaccountId': 'f23ffcf9-17b3-562f-87cf-194252cf653f', 'clientId': '1436148261', 'clobPairId': '0', 'side': 'BUY', 'size': '0.002', 'totalFilled': '0', 'price': '30000', 'type': 'LIMIT', 'status': 'CANCELED', 'timeInForce': 'GTT', 'reduceOnly': False, 'orderFlags': '64', 'goodTilBlockTime': '2024-02-13T19:09:52.000Z', 'createdAtHeight': '7134797', 'clientMetadata': '0', 'updatedAt': '2024-02-13T18:16:40.688Z', 'updatedAtHeight': '7135087', 'postOnly': False, 'ticker': 'BTC-USD'}
CANCELED
pi@raspberrypi:~ $
```