Problems

Quick start in Python

- The creation of a new wallet account

  it states: ‘Use *the private key from the new account we recommended creating at the very beginning of the guide.’ it is mentioned but not explained*

  ⇒ Solutions:

  Change the sentence at the beginning of the page from: “Below is an example. We recommend making a new Ethereum Mainnet wallet and sending it $20 in ETH before getting started to use for this example.” to “Below is an example. We recommend making a new Ethereum Mainnet wallet and sending it $20 in ETH before getting started for this example. You won’t be able to proceed without a private key.” Adding a hyperlink to a tutorial

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Library Python:

Toolkit Contracts and Control Flows

- Swap - Proxy Contract:

  At the end of the paragraph : ‘By mid-January’

  ⇒ update needed

Authentification:

- in the token table, ‘api’

  ⇒ API with capital letter

Uniswap stuff

▼ unclear sentence at point 3:

‘(how much swap can a Uniswap swap if a Uniswap could swap swap?)’

SWAP

▼ Weird sentence in ‘What does this code do’:

‘The parameters are pretty straightforward’ is useless

⇒ delete it

▼ wrong numbers for line explanation:

“*Lines 37-42 fund the proxy wallet, referred to above and created in Line 13, which is necessary before the swap can be executed.*

> *An important thing to understand here is that the swap itself "comes from" the proxy contract, not your wallet. Therefore, the collateral to fund the swap needs to be in the proxy contract before the swap starts. Unfortunately, it cannot just be included in the atomic bundle doing the swap.*
>
> *Line 35 gets the proxy contract address.*
>
> *Lines 36-38 construct the transfer from your wallet to the proxy contract.*
>
> *Line 39 signs and sends that transaction (transfer)*

Line 45 starts the context for an atomic transaction. All the transactions you do after this will be bundled up together into 1 atomic transaction.

Line 49 is a convenience function which takes an array of transactions as an argument and batches them together into 1 atomic transaction. Importantly, these transactions are bundled in the context existing
when `ew3.eulith_send_multi_transaction(txs)` (documented here) gets called. You can do more transactions after this and they will be bundled into the existing context as well.

Line 52 signifies the end of the atomic bundle. It returns a transaction object, that transaction now contains all the atomic transactions that were bundled together.

Line 55 sets your gas limit.

Line 58 sends your transaction to the network where it finally gets executed.”

⇒ Line number modifications:

‘*Lines 44-48 fund the proxy wallet, referred to above and created in Line 13, which is necessary before the swap can be executed.*

> *An important thing to understand here is that the swap itself "comes from" the proxy contract, not your wallet. Therefore, the collateral to fund the swap needs to be in the proxy contract before the swap starts. Unfortunately, it cannot just be included in the atomic bundle doing the swap.*
>
> *Line 44 gets the proxy contract address.*
>
> *Lines 45-47 construct the transfer from your wallet to the proxy contract.*
>
> *Line 48 signs and sends that transaction (transfer)*

Line 52 starts the context for an atomic transaction. All the transactions you do after this will be bundled up together into 1 atomic transaction.

Line 56 is a convenience function which takes an array of transactions as an argument and batches them together into 1 atomic transaction. Importantly, these transactions are bundled in the context existing
when ew3.eulith_send_multi_transaction(txs) (documented here) gets called. You can do more transactions after this and they will be bundled into the existing context as well.

Line 59 signifies the end of the atomic bundle. It returns a transaction object, that transaction now contains all the atomic transactions that were bundled together.

Line 62 sets your gas limit.

Line 65 sends your transaction to the network where it finally gets executed.’

▼ missing code line:

L.54 of complex swap:

May add :

```
print(f'Swapping at price: {round(quote, 5)} WETH per USDC')
```

before : “# if you decide you like the quote, send the swap transactions”

Tokens

- supported tokens’ table:

  ⇒ turn the table into a list

DEXs

- supported DEXs’ table:

  ⇒ turn the table into a list

GitHub Arbitrage

- wrong lines for config wallet:

  ⇒ Change ‘(lines 26 & 27)’ by ‘(lines 25 or 26)’

Example on Github

- useless line

  Line 24 is useless : “usdt = ew3.eulith_get_erc_token(TokenSymbol.USDT)”