
pyetheroll Documentation

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CHAPTER 1

Readme

Python library to Etheroll smart contract

2.1 Usage

Simply set bet size, chances and wallet settings before rolling:

```
from pyetheroll.etheroll import Etheroll

etheroll = Etheroll()
bet_size_ether = 0.1
bet_size_wei = int(bet_size_ether * 1e18)
chances = 50
wallet_path = 'wallet.json'
wallet_password = 'password'

transaction = etheroll.player_roll_dice(
    bet_size_wei, chances, wallet_path, wallet_password)
```

It's also possible to set different contract address and chain ID:

```
from pyetheroll.constants import ChainID
from pyetheroll.etheroll import Etheroll

chain_id = ChainID.ROPSTEN
contract_address = '0xe12c6dEb59f37011d2D9FdeC77A6f1A8f3B8B1e8'
etheroll = Etheroll(chain_id, contract_address)
```

Find out more in [docs/Examples.md](#).

2.2 Install

Latest stable release:

```
pip install pyetheroll
```

Development branch:

```
pip install --process-dependency-links \  
https://github.com/AndreMiras/pyetheroll/archive/develop.zip
```


Here is a list of common things the library can help with.

3.1 Get address last rolls

Basically what you need is the `Etheroll.get_last_bets_transactions()` method. See example [rolls2csv.py](#) for a detailed example.

3.2 Read contract

Access the web3 contract directly from the `Etheroll` instance:

```
etheroll = Etheroll()
min_bet = etheroll.contract.functions.minBet().call()
```


This is documenting the release process.

4.1 Git flow & CHANGELOG.md

Make sure the CHANGELOG.md is up to date and follows the <http://keepachangelog.com> guidelines. Start the release with git flow:

```
git flow release start YYYYMMDD
```

Now update the CHANGELOG.md [Unreleased] section to match the new release version. Also update the version string in the setup.py file. Then commit and finish release.

```
git commit -a -m "YYYYMMDD"  
git flow release finish
```

Push everything, make sure tags are also pushed:

```
git push  
git push origin master:master  
git push --tags
```

4.2 Publish to PyPI

Build it:

```
python setup.py sdist bdist_wheel
```

Check archive content:

```
tar -tvf dist/pyetheroll-*.tar.gz
```

Twine check and upload:

```
twine check dist/*  
twine upload dist/*
```

Also publish the alias meta package `setup_meta.py`.

4.3 Check Read the Docs

Make sure <https://readthedocs.org/projects/pyetheroll/> is up to date.

4.4 GitHub

Got to GitHub [Release/Tags](#), click “Add release notes” for the tag just created. Add the tag name in the “Release title” field and the relevant CHANGELOG.md section in the “Describe this release” textarea field. Finally, attach the generated APK release file and click “Publish release”.

CHAPTER 5

Indices and tables

- `genindex`
- `modindex`
- `search`