TronAPI for Python Documentation

Release stable

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A Python API for interacting with the Tron (TRX)

CHAPTER 1

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1.1 Quickstart

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Note: All code starting with a `$` is meant to run on your terminal. All code starting with a >>> is meant to run in a python interpreter, like ipython.

1.1.1 Installation

TronAPI can be installed (preferably in a virtualenv) using `pip` as follows:

```
$ pip install tronapi
```

Note: If you run into problems during installation, you might have a broken environment. See the troubleshooting guide to setup_environment.

Installation from source can be done from the root of the project with the following command.

```
$ pip install .
```

1.1.2 Using TronAPI

To use the tron library you will need to initialize the `tronapi` class.

```
>>> from tronapi.tron import Tron
>>> full_node = HttpProvider('https://api.trongrid.io')
>>> solidity_node = HttpProvider('https://api.trongrid.io')
>>> event_server = 'https://api.trongrid.io'
>>>
>>> tron = Tron(full_node, solidity_node, event_server)
>>> tron.default_block = 'latest'
```

1.1.3 Getting Blockchain Info

It's time to start using TronAPI for Python! Try getting all the information about the latest block.

```
>>> tron.get_block('latest')
>>> {
"blockID": "00000000003a5bbda4aea15cb5d99230674463e9d5f2c0c647316839b25fd5b9",
"block_header": {
    "raw_data": {
        "number": 3824573,
        "txTrieRoot":
↪"31ee3e2ed28f843bf1d53495beece2f5b9c76480772f0106e17156fb0066c3a2",
        "witness_address": "41f70386347e689e6308e4172ed7319c49c0f66e0b",
        "parentHash":
↪"00000000003a5bbc1e78e3144ad52f01a27b8f7acceb98d3ca09c1abea5cd32a",
        "version": 3,
        "timestamp": 1541425827000
    },
    "witness_signature":
↪"fddc729f55c0ecc6f9cf4ab17cf818ddc0e85d2c21382ed6b1430adb1dcd13006c24ae0e08f16d29362452ec8869d29a28
↪"
},
"transactions": [

]
```

}