
scpy Documentation

Release 0.1

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CHAPTER 1

Consensus

CHAPTER 2

Gateway

CHAPTER 3

Host

CHAPTER 4

HostDB

CHAPTER 5

Renter

CHAPTER 6

Transaction Pool

CHAPTER 7

Wallet

Python3 API bindings for the [Sia API](#)

[Sia](#) is a decentralized cloud storage platform that uses a blockchain to facilitate payments

Usage

```
>>> from scpy import Sia
>>> sc = Sia()
>>> sc = Sia(host='http://10.0.0.0', port=1234)
```

By default, scpy connects to the Sia daemon on `localhost:9980`. You can pass host and/or port as arguments to modify this.

scpy has 8 modules, which have their own methods. The documentation for each of those modules can be accessed in the sidebar. Here is an example of usage for each module

```
>>> sc.daemon.version()
'1.2.2'
```

```
>>> sc.consensus()['height']
109720
```

```
>>> sc.gateway.connect('12.34.56.78:9981')
True
```

```
>>> sc.host()['externalsettings']['acceptingcontracts']
False
```

```
>>> sc.hostdb.active()
[{'acceptingcontracts': True, 'maxdownloadbatchsize': 17825792, 'maxduration': 25920,
↳ ...}, ...]
```

```
>>> sc.renter.prices()['storageterabyte-month']
'3764399999964192000000000000'
```

```
>>> sc.tpool.fee()
#to be implemented in next siad release
```

```
>>> sc.wallet.get_addresses()
['81b202b982558b18ef62d93399b34ae0cd5c8e090504fa294d8a6b669a02d88a44caed9ea098', ...]
```

Implementation completeness

Module	Done	Tested	Documented
Daemon			
Consensus			
Gateway			
Host			
HostDB			
Renter			
Transaction Pool			
Wallet			

Installation

Install scpy by running:

```
$ pip install scpy
```

Contribute

Contributions are really welcome, whether they are bug reports/fixes, new features, documentation writing, really anything is appreciated.

You can send a pull request to our GitHub repo: <https://github.com/emilio2601/scpy>

Alternatively, open an issue in our bug tracker here: <https://github.com/emilio2601/scpy/issues>

License

This project is licensed under the GNU GPL v3.0

Donations

```
>>> sc.wallet.gen_address()
81b202b982558b18ef62d93399b34ae0cd5c8e090504fa294d8a6b669a02d88a44caed9ea098
```