
tsmtool Documentation

Release 1.1.1

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TARSNAP STATUS MONITOR REPORTING TOOL

Tarsnap Status Monitor

1.1 Introduction

The most excellent backup service [Tarsnap](#) provides a clean and functional interface for managing one's account. This tool connects to that web interface and queries data, producing a JSON-formatted report. The current balance is read, and an estimated monthly cost is calculated based on the site's daily cost data.

1.1.1 Example Output

Here's an example of output from the author's tarsnap account:

```
(tsmtool) mkrueger@beaker:~/src/tsmtool$ tsmtool rstms
{
  "balance": 32.51,
  "account": "mkrueger@rstms.net",
  "monthly_cost": 23.51
}
```

1.2 Configuration

A config file may be used for account data, or the email account / password may be passed as command line options. The config file is a whitespace delimited text file with one line per account. Each line has these fields:

~/.tsmtool:

ACCOUNT_NAME	EMAIL_ADDRESS	PASSWORD
--------------	---------------	----------

- Free software: MIT license

- Documentation: <https://tsmtool.readthedocs.io>.

1.3 Credits

Tarsnap

This package was created with Cookiecutter and `rstms/cookiecutter-python-cli`, a fork of the `audreyr/cookiecutter-pypackage` project template.

`audreyr/cookiecutter` `audreyr/cookiecutter-pypackage` `rstms/cookiecutter-python-cli`

2.1 tsmtool

login to tarsnap.com and output account status as JSON data

config file: ~/.tsmtool format: whitespace-delimited ASCII file; one line per account example: account email_address password

```
tsmtool [OPTIONS] [ACCOUNT]
```

Options

--version

Show the version and exit.

-c, --config-file <config_file>

config file for tsmtool

-e, --email <email>

email address website login

-p, --password <password>

password for website login

--rows

include all row data

--balances

include daily balances

--payments

include payments

--raw

raw data only (skip calculated fields)

--list

list accounts in config file

--all

generate report for all accounts in config file

-d, --debug

debug mode

Arguments

ACCOUNT

Optional argument

Environment variables

TSMTOOL_CONFIG

Provide a default for `-c`

TSMTOOL_EMAIL

Provide a default for `-e`

TSMTOOL_PASSWORD

Provide a default for `-p`

INSTALLATION

3.1 Stable release

To install tsmtool, run this command in your terminal:

```
$ pip install tsmtool
```

This is the preferred method to install tsmtool, as it will always install the most recent stable release.

If you don't have [pip](#) installed, this [Python installation guide](#) can guide you through the process.

3.2 From sources

The sources for tsmtool can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/rstms/tsmtool
```

Or download the [tarball](#):

```
$ curl -OJL https://github.com/rstms/tsmtool/tarball/master
```

Once you have a copy of the source, you can install it with:

```
$ python setup.py install
```


4.1 tsmtool package

4.1.1 Submodules

4.1.2 tsmtool.cli module

Console script for tsmtool.

4.1.3 tsmtool.tarsnap module

```
class tsmtool.tarsnap.Tarsnap(config_file, account=None, email=None, password=None)  
    Bases: object  
    get_status(rows=False, balances=False, payments=False, raw=False, email=None, password=None)
```

4.1.4 tsmtool.version module

4.1.5 Module contents

Top-level package for tsmtool.

```
class tsmtool.Tarsnap(config_file, account=None, email=None, password=None)  
    Bases: object  
    get_status(rows=False, balances=False, payments=False, raw=False, email=None, password=None)
```


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