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# **py-trello Documentation**

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# CHAPTER 1

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## Modules

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### **1.1 trello package**

#### **1.1.1 Module contents**

#### **1.1.2 Submodules**

#### **1.1.3 trello.util module**



## CHAPTER 2

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### Readme

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A wrapper around the Trello API written in Python. Each Trello object is represented by a corresponding Python object. The attributes of these objects are cached, but the child objects are not. This can possibly be improved when the API allows for notification subscriptions; this would allow caching (assuming a connection was available to invalidate the cache as appropriate).

I've created a [Trello Board](#) for feature requests, discussion and some development tracking.





## CHAPTER 3

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### Install

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```
pip install py-trello
```



## CHAPTER 4

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### Usage

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```
from trello import TrelloClient

client = TrelloClient( api_key='your-key', api_secret='your-secret', token='your-oauth-token-key',
                        token_secret='your-oauth-token-secret'
                      )
```

Where *token* and *token\_secret* come from the 3-legged OAuth process and *api\_key* and *api\_secret* are your Trello API credentials that are ([generated here](#)).



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## Getting your Trello OAuth Token

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Make sure the following environment variables are set:

- *TRELLO\_API\_KEY*
- *TRELLO\_API\_SECRET*

These are obtained from the link mentioned above.

*TRELLO\_EXPIRATION* is optional. Set it to a string such as 'never' or '1day'. Trello's default OAuth Token expiration is 30 days.

Default permissions are read/write.

More info on setting the expiration here: <https://trello.com/docs/gettingstarted/#getting-a-token-from-a-user>

**Run** `python ./trello/util.py`



## CHAPTER 6

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### Required Python modules

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Found in requirements.txt





To run the tests, run *python tests.py*. Three environment variables must be set:

- `TRELLO_API_KEY`: your Trello API key
- `TRELLO_TOKEN`: your Trello OAuth token
- `TRELLO_TEST_BOARD_COUNT`: the number of boards in your Trello account
- `TRELLO_TEST_BOARD_NAME`: name of the board to test card manipulation on. Must be unique, or the first match will be used

And run (from *py-trello/*):

```
PYTHONPATH=. python test/test_trello.py
```



## CHAPTER 8

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### Contributors

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- Kyle Valade
- Rick van Hattem



## CHAPTER 9

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### Indices and tables

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