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# py-trello Documentation

*Release stable*

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<b>1</b>	<b>Usage</b>	<b>3</b>
<b>2</b>	<b>Getting your Trello OAuth Token</b>	<b>5</b>
<b>3</b>	<b>Required Python modules</b>	<b>7</b>
<b>4</b>	<b>Tests</b>	<b>9</b>
<b>5</b>	<b>Contributors</b>	<b>11</b>



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.

```
pip install py-trello
```



### 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`



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## Required Python modules

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Found in requirements.txt



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## Tests

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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
```



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**Contributors**

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- Adrien Lemaire
- Kyle Valade