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# **screwdriver**

*Release 0.14.0*

**Sep 29, 2018**



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Another tool for your python toolset. General odds and ends that kept coming up in projects.



# CHAPTER 1

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## Installation

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```
$ pip install screwdriver
```





## CHAPTER 2

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### Supports

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screwdriver has been tested with Python 2.7, 3.6 and 3.7



## CHAPTER 3

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Docs & Source

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Docs: <http://screwdriver.readthedocs.io/en/latest/>

Source: <https://github.com/cltrudeau/screwdriver>

Version: 0.14.0



**class** `screwdriver.DictObject` (*src*)

Acts as a wrapper to a dictionary so that keys can be accessed as properties.

```
>>> d = DictObject({'x':1, 'y':2})
>>> d.x
1
>>> d._src
{'x':1, 'y':2}
```

**\_\_init\_\_** (*src*)

`screwdriver.dynamic_load` (*name*)

Equivalent of “from X import Y” statement using dot notation to specify what to import and return. For example, `foo.bar.thing` returns the item “thing” in the module “foo.bar”

`screwdriver.head_tail_middle` (*src*)

Returns a tuple consisting of the head of an enumerable, the middle as a list and the tail of the enumerable. If the enumerable is 1 item, the middle will be empty and the tail will be None.

```
>>> head_tail_middle([1, 2, 3, 4])
1, [2, 3], 4
```

`screwdriver.list_to_rows` (*src, size*)

A generator that takes an enumerable item and returns a series of slices. Useful for turning a list into a series of rows.

```
>>> list(list_to_rows([1, 2, 3, 4, 5, 6, 7], 3))
[[1, 2, 3], [4, 5, 6], [7, ]]
```

`screwdriver.parse_link` (*html*)

Parses an HTML anchor tag, returning the href and content text. Any content before or after the anchor tag pair is ignored.

**Parameters** `html` – Snippet of html to parse

**Returns** `namedtuple('ParsedLink', ['url', 'text'])`

Example:

```
>>> parse_link('things <a href="/foo/bar.html">Foo</a> stuff')
ParsedLink('/foo/bar.html', 'Foo')
```

`screwdriver.pprint` (*data*)

Alternative to `pprint.PrettyPrinter()` that uses `json.dumps()` for sorting and displaying data.

**Parameters** `data` – item to print to STDOUT. The item must be json serializable!

`screwdriver.rows_to_columns` (*matrix*)

Takes a two dimensional array and returns an new one where rows in the first become columns in the second.

## CHAPTER 5

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### Indices and tables

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