
Tweak Documentation

Release 1.0.0

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Python helper class to ingest and serialize app-specific configuration

Provides a self-contained (no dependencies outside the standard library), Python 2 and 3 compatible configuration manager. Automatically saves and restores your application's configuration in your user home directory. Uses JSON or (optionally) YAML for serialization. Supports dict-like methods and access semantics.

Installation

If your package does not permit dependency management, you can copy the `Config` class directly into your application from https://github.com/kislyuk/tweak/blob/master/tweak/__init__.py. Otherwise:

```
pip install tweak
```

Synopsis

```
from tweak import Config

config = Config()
config.host, config.port = "example.com", 9000
config.nested_config = {}
config.nested_config.foo = True
```

After restarting your application:

```
config = Config()
print(config)
>>> {'host': 'example.com', 'port': 9000, 'nested_config': {'foo': True}}
```

Using an `argparse.Namespace` object returned by `argparse.parse_args()`:

```
parser = argparse.ArgumentParser()
...
args = parser.parse_args()
if args.foo is not None:
    config.foo = args.foo
elif "foo" not in config:
    raise Exception("foo unconfigured")

config.update(vars(args))
```

Using YAML:

```
config = Config(use_yaml=True)
...
```

Pass `Config(save_on_exit=False)` to disable automatic configuration saving on Python shutdown (this is useful if you only want to read the config, never write it, or if you want to call `config.save()` manually). Pass `Config(autosave=True)` to make `save()` run any time an assignment happens to a config object.

Authors

- Andrey Kislyuk

Links

- [Project home page \(GitHub\)](#)
- [Documentation \(Read the Docs\)](#)
- [Package distribution \(PyPI\)](#)

4.1 Bugs

Please report bugs, issues, feature requests, etc. on [GitHub](#).

License

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API documentation

Release Notes

7.1 Version 0.1.1 (2016-03-11)

- Fix `save_on_exit=False` behavior.

7.2 Version 0.1.0 (2016-03-11)

- YAML support.

7.3 Version 0.0.2 (2016-03-04)

- Initial release.

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