
interact-cli

Release 0.5.0

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Jan 06, 2020

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INTRODUCTION

1.1 Interact cli

Interactive command line tool.

- Github repo: <https://github.com/caizhengxin/interact-cli>
- Documentation: <https://interact-cli.readthedocs.io>
- Free software: BSD

1.1.1 Features

- Interact input
- Supports multiple data types
- Support input check
- Support regex, see [network.json](#)

1.1.2 Support type

- boolean
- string
- int
- float
- list
- choice

- mac
- ipv4
- cidr, eg: 192.168.1.1/24
- hex

1.1.3 Installation

To install interact-cli, run this command in your terminal:

```
$ pip3 install interact-cli
```

or:

```
$ git clone https://github.com/caizhengxin/interact-cli.git
$ cd interact-cli
$ pip3 install -e .
```

1.1.4 Usage

See `interact.json`

string:

```
from interact import interacts

config = {
    "name": {
        "type": "string",
        "default": "jankinca",
        "max_length": 10,
        "min_length": 1,
        "description": "Your name"
    }
}

if __name__ == "__main__":
    """
    Your name [jankinca]: sssssssssssss
    Error: Invalided `ssssssssssss`
    Your name [jankinca]: jankincai
    """

    print(interacts(config).name)
```

regex:

```
from interact import interacts

config = {
    "ipv4": {
```

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```

        "type": "string",
        "regex": r"^\d{1,3}.\d{1,3}.\d{1,3}.\d{1,3}$",
        "default": "192.168.166.12",
        "description": "IPv4 address"
    }
}

if __name__ == "__main__":
    """
    IPv4 address [192.168.166.12]: 22
    Error: Invalided `22`
    IPv4 address [192.168.166.12]: 192.168.166.2
    """

    print(interacts(config).ipv4)

```

when:

```

from interact import interacts

config = {
    "use_code_hosting": {
        "type": "boolean",
        "default": True,
        "description": "Use code hosting platform"
    },
    "code_hosting": {
        "type": "choice",
        "default": 1,
        "choice": [
            "github",
            "gitee",
            "gitlab"
        ],
        "description": "Code hosting",
        "when": "use_code_hosting == true"
    },
    "code_hosting_username": {
        "type": "string",
        "default": "jankincai",
        "description": "Your code hosting username",
        "when": "use_code_hosting == true"
    }
}

if __name__ == "__main__":
    """
    Use code hosting platform [y]: y
    Select code hosting:
    1 - github
    2 - gitee
    3 - gitlab
    Choose from [1]:
    Your code hosting username [jankincai]: jankincai
    """

```

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```
    {'use_code_hosting': True, 'code_hosting': 'github', 'code_hosting_username':  
↪ 'jankincai'}  
    """  
  
    """  
    Use code hosting platform [y]: n  
    {'use_code_hosting': False, 'code_hosting': None, 'code_hosting_username': None}  
    """  
  
    print(interacts(config).get_interact_data())
```

See [demo](#)

1.1.5 Credits

This package was created with [Cookiecutter](#) and the [caizhengxin/cookiecutter-package](#) project template.

INSTALLATION

2.1 Stable release

To install `interact-cli`, run this command in your terminal:

```
$ pip install interact-cli
```

This is the preferred method to install `interact-cli`, 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.

2.2 From sources

The sources for `interact-cli` can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/caizhengxin/interact-cli
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/caizhengxin/interact-cli/tarball/master
```

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

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


USAGE

To use interact-cli in a project:

```
import interact
```


INTERACT CLI

4.1 Interact

4.2 Base

4.3 Fields

4.4 When

4.5 Utils

CHANGE LOG

All notable changes to the “interact-cli” will be documented in this file.
Check [Keep a Changelog](#) for recommendations on how to structure this file.

5.1 Unreleased

5.1.1 Added

- Add rich when keywords.
- Add `islinux`, `iswin`, `ismac` for when keywords.

5.2 0.4.1 - 2019-01-03

5.2.1 Fixex

- Fix when keyword bug.

5.3 0.4.0 - 2019-12-30

5.3.1 Added

- Add custom type.
- Add `mac`, `ipv4`, `cidr`, `hex` type.

5.3.2 Fixed

- Default value does not exist error.

5.4 0.3.0 - 2019-12-28

5.4.1 Added

- IntField support `max_value`, `min_value`
- StringField support `max_length`, `min_length`, `regex`
- Add output prefix `>`.

5.4.2 Changed

- first check configuration file formatd

5.5 0.2.0 - 2019-12-25

5.5.1 Added

- Add `CHANGELOG.rst`
- Add interact input float type

5.6 0.1.0 - 2019-12-24

5.6.1 Added

- Initialize the project

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`