interact-cli

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CHAPTER

ONE

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 Features

- Interact input
- Supports multiple data types
- Support input check
- Support regex, see network.json

1.2 Support type

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

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

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 .
```

1.4 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 `sssssssssssss`
    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

1.5 Credits

This package was created with Cookiecutter and the caizhengxin/cookiecutter-package project template.

CHAPTER

TWO

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
```

CHAPTER

THREE

USAGE

To use interact-cli in a project:

```
import interact
```

CHAPTER

FOUR

API

CHAPTER

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INDICES AND TABLES

- genindex
- modindex
- search