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**interact-cli**

***Release 0.5.0***

**jankincai**

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# DOCUMENTATION

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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 `ssssssssssssss`
    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
```



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CHAPTER  
**THREE**

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**USAGE**

To use interact-cli in a project:

```
import interact
```



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CHAPTER  
**FOUR**

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**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**

- `IntegerField` 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

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**CHAPTER  
SIX**

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**API**



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CHAPTER  
**SEVEN**

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## **INDICES AND TABLES**

- genindex
- modindex
- search