
mac-attrs

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CHAPTER 1

Introduction

`mac-attrs` combines the functionality of `macaddress` and `random-mac` into a web app that evaluates the attributes of media access control (MAC) addresses.

Installing mac-attrs

mac-attrs is available on GitHub at <https://github.com/critical-path/mac-attrs>.

If you do not have pip version 18.1 or higher, then run the following command from your shell.

```
[user@host ~]$ sudo pip install --upgrade pip
```

To install mac-attrs with test-related dependencies, run the following command from your shell.

```
[user@host ~]$ sudo pip install --editable git+https://github.com/critical-path/mac-attrs.git#egg=mac-attrs[test]
```

To install it without test-related dependencies, run the following command from your shell.

```
[user@host ~]$ sudo pip install git+https://github.com/critical-path/mac-attrs.git
```

(If necessary, replace pip with pip3.)

CHAPTER 3

Starting mac-attrs

Before starting mac-attrs for the first time, run the following commands from your shell.

```
[user@host mac-attrs]$ chmod +x ./get-started.sh  
[user@host mac-attrs]$ ./get-started.sh
```

To start mac-attrs, run the following command from your shell.

```
[user@host mac-attrs]$ gunicorn --bind=0.0.0.0:8080 --workers=2 "mac_attrs:make_app() "
```


CHAPTER 4

Using mac-attrs

Using mac-attrs is easy!

First, point your browser to any of the following URLs.

- `http://localhost:8080/`
- `http://localhost:8080/home`
- `http://localhost:8080/home.html`
- `http://localhost:8080/index`
- `http://localhost:8080/index.html`
- `http://localhost:8080/mac-attrs`
- `http://localhost:8080/mac-attrs.html`

Second, type a MAC address.

Third, click on the submit button.

Fourth, view the results.

CHAPTER 5

Testing mac-attrs

To conduct testing, run the following command from your shell.

```
[user@host mac-attrs]$ pytest --disable-warnings --cov --cov-report=term-missing
```

If pytest raises an `INTERNALERROR`, then run the following command from your shell.

```
[user@host mac-attrs]$ sudo $(which pytest) --disable-warnings --cov --cov-  
↪report=term-missing
```