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.

CHAPTER 2

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

Using mac-attrs

Before using 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
```

Then, start the web server by running the following command from your shell.

```
[user@host mac-attrs]$ gunicorn --bind 127.0.0.1:8080 "mac_attrs:make_app()"
```

Finally, point your browser to any of the following URLs to begin evaluating MAC addresses.

- `http://127.0.0.1:8080/`
- `http://127.0.0.1:8080/index`
- `http://127.0.0.1:8080/index.html`
- `http://127.0.0.1:8080/mac-attrs`
- `http://127.0.0.1:8080/mac-attrs.html`

CHAPTER 4

Testing mac-attrs

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

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