

---

# wangls Documentation

*Release 0.1.6*

**Ahmed Ali**

**Feb 05, 2020**



---

## Contents:

---

|          |                                   |           |
|----------|-----------------------------------|-----------|
| <b>1</b> | <b>wangls</b>                     | <b>1</b>  |
| 1.1      | Usage . . . . .                   | 1         |
| <b>2</b> | <b>Installation</b>               | <b>3</b>  |
| 2.1      | Prerequisite . . . . .            | 3         |
| 2.2      | Stable release . . . . .          | 3         |
| 2.3      | From sources . . . . .            | 3         |
| <b>3</b> | <b>Usage</b>                      | <b>5</b>  |
| <b>4</b> | <b>wangls</b>                     | <b>7</b>  |
| 4.1      | wangls package . . . . .          | 7         |
| <b>5</b> | <b>Contributing</b>               | <b>9</b>  |
| 5.1      | Types of Contributions . . . . .  | 9         |
| 5.2      | Get Started! . . . . .            | 10        |
| 5.3      | Pull Request Guidelines . . . . . | 11        |
| 5.4      | Tips . . . . .                    | 11        |
| 5.5      | Deploying . . . . .               | 11        |
| <b>6</b> | <b>History</b>                    | <b>13</b> |
| 6.1      | 0.1.0 (2020-02-04) . . . . .      | 13        |
| 6.2      | 0.1.1 (2020-02-05) . . . . .      | 13        |
| 6.3      | 0.1.2 (2020-02-05) . . . . .      | 13        |
| 6.4      | 0.1.3 (2020-02-05) . . . . .      | 13        |
| 6.5      | 0.1.4 (2020-02-05) . . . . .      | 13        |
| 6.6      | 0.1.5 (2020-02-05) . . . . .      | 13        |
| 6.7      | 0.1.6 (2020-02-05) . . . . .      | 14        |
| <b>7</b> | <b>Indices and tables</b>         | <b>15</b> |
|          | <b>Python Module Index</b>        | <b>17</b> |
|          | <b>Index</b>                      | <b>19</b> |



# CHAPTER 1

## wangls

A command line tool that gives you the IPs of the devices connected to the same network segment.

- Free software: MIT license
- Documentation: <https://wangls.readthedocs.io>.

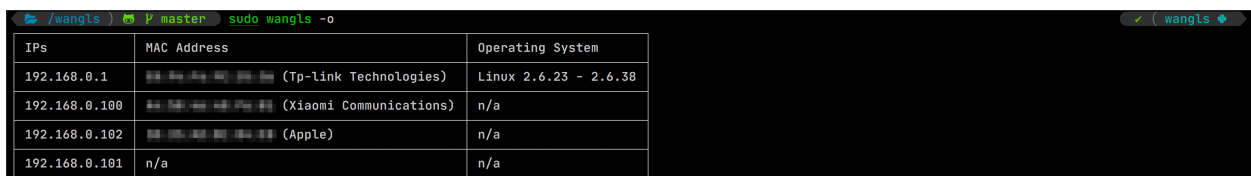
## 1.1 Usage

- Simple scan that returns only IPs.

```
$ wangls
```

- Scanning your whole network with OS detection might take some time especially if there are many devices connected.

```
$ wangls -o
```



| IPs           | MAC Address                               | Operating System      |
|---------------|---|-----------------------|
| 192.168.0.1   | 88:87:ae:44:44:44 (Tp-link Technologies)  | Linux 2.6.23 - 2.6.38 |
| 192.168.0.100 | 88:87:ae:44:44:44 (Xiaomi Communications) | n/a                   |
| 192.168.0.102 | 88:87:ae:44:44:44 (Apple)                 | n/a                   |
| 192.168.0.101 | n/a                                       | n/a                   |



### 2.1 Prerequisite

Install nmap <https://nmap.org/download.html>

### 2.2 Stable release

To install wangs, run this command in your terminal:

```
$ pip install wangs
```

This is the preferred method to install wangs, 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.

### 2.3 From sources

The sources for wangs can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/ally-ahmed/wangs
```

Or download the [tarball](#):

```
$ curl -OJL https://github.com/ally-ahmed/wangs/tarball/master
```

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

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





## CHAPTER 3

---

### Usage

---

To use wangs in a project:

```
import wangs
```



### 4.1 wangls package

#### 4.1.1 Submodules

#### 4.1.2 wangls.cli module

#### 4.1.3 wangls.wangls module

#### 4.1.4 Module contents

Top-level package for wangls.



Contributions are welcome, and they are greatly appreciated! Every little bit helps, and credit will always be given. You can contribute in many ways:

## 5.1 Types of Contributions

### 5.1.1 Report Bugs

Report bugs at <https://github.com/ally-ahmed/wangls/issues>.

If you are reporting a bug, please include:

- Your operating system name and version.
- Any details about your local setup that might be helpful in troubleshooting.
- Detailed steps to reproduce the bug.

### 5.1.2 Fix Bugs

Look through the GitHub issues for bugs. Anything tagged with “bug” and “help wanted” is open to whoever wants to implement it.

### 5.1.3 Implement Features

Look through the GitHub issues for features. Anything tagged with “enhancement” and “help wanted” is open to whoever wants to implement it.

### 5.1.4 Write Documentation

wangls could always use more documentation, whether as part of the official wangls docs, in docstrings, or even on the web in blog posts, articles, and such.

### 5.1.5 Submit Feedback

The best way to send feedback is to file an issue at <https://github.com/ally-ahmed/wangls/issues>.

If you are proposing a feature:

- Explain in detail how it would work.
- Keep the scope as narrow as possible, to make it easier to implement.
- Remember that this is a volunteer-driven project, and that contributions are welcome :)

## 5.2 Get Started!

Ready to contribute? Here's how to set up *wangls* for local development.

1. Fork the *wangls* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/wangls.git
```

3. Install your local copy into a virtualenv. Assuming you have virtualenvwrapper installed, this is how you set up your fork for local development:

```
$ mkvirtualenv wangls
$ cd wangls/
$ python setup.py develop
```

4. Create a branch for local development:

```
$ git checkout -b name-of-your-bugfix-or-feature
```

Now you can make your changes locally.

5. When you're done making changes, check that your changes pass flake8 and the tests, including testing other Python versions with tox:

```
$ flake8 wangls tests
$ python setup.py test or pytest
$ tox
```

To get flake8 and tox, just pip install them into your virtualenv.

6. Commit your changes and push your branch to GitHub:

```
$ git add .
$ git commit -m "Your detailed description of your changes."
$ git push origin name-of-your-bugfix-or-feature
```

7. Submit a pull request through the GitHub website.

## 5.3 Pull Request Guidelines

Before you submit a pull request, check that it meets these guidelines:

1. The pull request should include tests.
2. If the pull request adds functionality, the docs should be updated. Put your new functionality into a function with a docstring, and add the feature to the list in README.rst.
3. The pull request should work for Python 3.5, 3.6, 3.7 and 3.8, and for PyPy. Check [https://travis-ci.org/ally-ahmed/wangls/pull\\_requests](https://travis-ci.org/ally-ahmed/wangls/pull_requests) and make sure that the tests pass for all supported Python versions.

## 5.4 Tips

To run a subset of tests:

```
$ pytest tests.test_wangls
```

## 5.5 Deploying

A reminder for the maintainers on how to deploy. Make sure all your changes are committed (including an entry in HISTORY.rst). Then run:

```
$ bump2version patch # possible: major / minor / patch
$ git push
$ git push --tags
```

Travis will then deploy to PyPI if tests pass.





### 6.1 0.1.0 (2020-02-04)

- First release on PyPI.

### 6.2 0.1.1 (2020-02-05)

- Updated demos on docs

### 6.3 0.1.2 (2020-02-05)

- Add dependencies requirements

### 6.4 0.1.3 (2020-02-05)

- Added help option

### 6.5 0.1.4 (2020-02-05)

- Fixed minor typos

### 6.6 0.1.5 (2020-02-05)

- Added version option

## 6.7 0.1.6 (2020-02-05)

- Updated version on option

## CHAPTER 7

---

### Indices and tables

---

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



**W**

wangls, [7](#)



## W

wangls (*module*), [7](#)