
pyArchOps/dnsmasq Documentation

Release 0.0.2

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CHAPTER 1

pyArchOps/dnsmasq

dnsmasq

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

1.1 Features

- dnsmasq

1.2 Instalation

```
$ pip install pyarchops-dnsmasq
```

1.3 Usage

```
import os
import textwrap
from suitable import Api
from pyarchops import helpers
from pyarchops_dnsmasq import dnsmasq

api = Api(
```

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```
'127.0.0.1:22',
connection='smart',
remote_user='root',
private_key_file=os.getenv('HOME') + '/.ssh/id_rsa',
become=True,
become_user='root',
sudo=True,
ssh_extra_args='-o StrictHostKeyChecking=no'
)

dnsmasq_conf = textwrap.dedent('''
no-poll
no-resolv
cache-size=1500
no-negcache
server=/core-vpn/10.16.254.1
server=/core-vpn/10.16.254.2
server=/core-vpn/10.16.254.3
server=8.8.4.4
server=8.8.8.8
''')

resolve_conf = 'nameserver 127.0.0.1'

config = {
    'dnsmasq_conf': dnsmasq_conf,
    'resolve_conf': resolve_conf
}

result = dnsmasq.apply(api, config=config)
print(result)
```

1.4 Development

Install requirements:

```
$ sudo pacman -S tmux python-virtualenv python-pip libjpeg-turbo gcc make vim git tk_
↪tcl
```

Git clone this repository

```
$ git clone https://github.com/pyarchops/dnsmasq.git pyarchops.dnsmasq
$ cd pyarchops.dnsmasq
```

2. See the *Makefile*, to get started simply execute:

```
$ make up
```

1.5 Credits

- TODO

2.1 Stable release

The pyArchOps software should be installed through the main repository, .. _pyArchOps : <https://github.com/pyarchops/pyarchops.git>

```
$ pip install pyarchops
```

2.2 Latest dnsmasq release

To install pyArchOps/dnsmasq, run this command in your terminal:

```
$ pip install pyarchops_dnsmasq
```

This is the preferred method to install pyArchOps/dnsmasq, 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 pyArchOps/dnsmasq can be downloaded from the [Github repo](#).

You can either clone the public repository:

```
$ git clone git://github.com/pyarchops/dnsmasq
```

Or download the [tarball](#):

```
$ curl -OL https://github.com/pyarchops/dnsmasq/tarball/master
```

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

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


CHAPTER 3

Usage

To use pyArchOps/dnsmasq in a project:

```
import pyarchops_dnsmasq
```


4.1 pyarchops_dnsmasq package

4.1.1 Submodules

4.1.2 pyarchops_dnsmasq.dnsmasq module

Main module.

`pyarchops_dnsmasq.dnsmasq.apply` (*api: suitable.api.Api, config: dict, quiet: bool = False*) → dict
installs dnsmasq

4.1.3 Module contents

`__init__.py` for pyarchops_dnsmasq

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/pyArchOps/pyarchops/dnsmasq/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

pyArchOps/dnsmasq could always use more documentation, whether as part of the official pyArchOps/dnsmasq 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/pyArchOps/dnsmasq/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 *pyarchops/dnsmasq* for local development.

1. Fork the *pyarchops/dnsmasq* repo on GitHub.
2. Clone your fork locally:

```
$ git clone git@github.com:your_name_here/pyarchops/dnsmasq.git
```

3. set a development environment:

```
$ sudo pacman -Sy tmux libffi pkgconf base-devel make $ cd pyarchops/dnsmasq/ $ make up
```

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 pylint and the tests.
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 3.7. Check <https://gitlab.com/pyarchops/dnsmasq/pipelines> and make sure that the tests pass for all supported Python versions.

5.4 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:

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


6.1 Development Lead

- Azul <pyarchops@azulinho.com>

6.2 Contributors

None yet. Why not be the first?

7.1 0.0.1 (2018-12-11)

- First release on PyPI.

CHAPTER 8

Indices and tables

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