
docker-manager Documentation

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Contents:

1	Command line tool for managing docker-containers	1
1.1	Description	1
1.2	Installation	1
1.3	Argument Completion	2
1.4	Usage	2
1.5	Known Issues	2
1.6	Authors	2
1.7	Contributing	2
1.8	License	3
2	Todo's and features to implement	5
2.1	Features	5
3	Indices and tables	7

Command line tool for managing docker-containers

1.1 Description

docker-manager is a tool similar to docker-compose but it handles a few additional things like nginx config for proxying/clustering webservices and handling basic auth. And it's also adding hosts entries for each container.

1.2 Installation

Since docker-manager is using python3 by default, you better upgrade.

After successful installation of python3 and pip for python3, run the following command to install or upgrade docker-manager:

```
pip3 install --user --upgrade docker-manager
```

If you are on mac osx and your local python folder isn't in your PATH variable you might add it to \$PATH or symlink it in /usr/local/bin with sudo.

Max OSX

```
sudo ln -s /home/<username>/local/bin/docker-container /usr/local/bin/  
sudo ln -s /home/<username>/local/bin/docker-image /usr/local/bin/  
sudo ln -s /home/<username>/local/bin/docker-watcher /usr/local/bin/  
sudo ln -s /home/<username>/local/bin/docker-bridge /usr/local/bin/
```

The same applies to linux, however, the path is different. (On usual Distributions this is in \$PATH already)

```
sudo ln -s /home/<username>/local/bin/docker-container /usr/local/bin/  
sudo ln -s /home/<username>/local/bin/docker-image /usr/local/bin/
```

```
sudo ln -s /home/<username>/.local/bin/docker-watcher /usr/local/bin/  
sudo ln -s /home/<username>/.local/bin/docker-bridge /usr/local/bin/
```

1.3 Argument Completion

docker-manager supports argument completion, to activate this feature in linux run:

```
sudo activate-global-python-argcomplete3
```

Under OSX it isn't that simple unfortunately. Global completion requires bash support for complete -D, which was introduced in bash 4.2. On OS X or older Linux systems, you will need to update bash to use this feature. Check the version of the running copy of bash with `echo $BASH_VERSION`. On OS X, install bash via Homebrew (`brew install bash`), add `/usr/local/bin/bash` to `/etc/shells`, and run `chsh` to change your shell. Afterwards you might be able to also just run:

```
sudo activate-global-python-argcomplete3
```

1.4 Usage

tbd

1.5 Known Issues

If you discover any bugs, feel free to create an issue on GitHub fork and send us a pull request.

[Issues List](#).

1.6 Authors

- Claudio Walser (<https://github.com/claudio-walser>)

1.7 Contributing

Please use `git-cd` for contributing, it matches my workflow best.

1. Fork it
2. Create your feature branch (`git cd start my-new-feature`)
3. Commit your changes (`git commit -am 'Add some feature'`)
4. Push to the branch (`git push origin feature/my-new-feature`)
5. Create new Pull Request (`git cd review my-new-feature`)

1.8 License

Apache License 2.0 see <https://github.com/claudio-walser/python-docker-manager/blob/master/LICENSE>

Todo's and features to implement

2.1 Features

- Use docker-compose under the hood and only handle additional things
- Add a config file in ~/ where i can save multiple docker-manager files
- Plugin auto-upgrading possibilities

CHAPTER 3

Indices and tables

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