

Docker

The official / canonical source code for Tiki/Docker is at <https://gitlab.com/tikiwiki/tiki-docker> for the [Tiki project](#)

Docker for Tiki Development

Why Docker

Docker allows you to run the exact same environment on different machines, thus preventing bugs related to using different operating systems (e.g., Windows, macOS, GNU/Linux), different packages versions (e.g., Apache HTTP Server, PHP, MariaDB, ...), and therefore different environments (e.g., development, staging, production). Less time dealing with environment issues = more time developing awesome features!

Start Developing

This guide assumes that you are comfortable with developer tools like `bash/sh`, `docker`, `dotenv` and `git`. If you are not, and you are only looking for testing Tiki, you can access our online Tiki demos here: <https://tiki.org/Demo> If you are a developer but are not comfortable with those tools, you can have a look at the [Resources](#) part first.

Developing

1. "Do the git thing"

Fork Tiki (<https://gitlab.com/tikiwiki/tiki>) and clone your fork. Tiki is a big repository, so you can decide to clone only the latest history (`--depth=1`) or only the specific branch you need (`--single-branch`).

2. Check out the relevant branch

Go into the repository you've just cloned and check out the Tiki version you want to work with:

e.g.:

```
git checkout 20.x
```

3. Clone tiki-docker

In that same directory, clone tiki-docker:

```
git clone git@gitlab.com:tikiwiki/tiki-docker.git laradock
```

P.S.: you don't have to call that directory `laradock`, but default sensible settings are using this name. If you want to use your own name, you'll have to edit a few files (`+.env+`, and `docker-compose` files).

4. Check out the environment you need

tiki-docker comes with environments for the different versions of Tiki. It will then use the correct PHP, mariadb, elasticsearch, etc... versions.

In your Tiki source, enter the tiki-docker source:

```
cd laradock
```

then check out your environment:

```
git checkout tiki-20.x
```

5. Custom your variables if necessary

tiki-docker works out of the box, but you can set up your own variables, stored in the included `.env` file. You may want to edit for example the apache2/nginx http host port, mysql/mariadb database name and credentials, although it is not necessary.

You are encouraged to change the `DATA_PATH_HOST` variable to a unique project name. This is the place where your data will be stored (mysql/mariadb, elasticsearch, etc...) so that even if your containers are removed, your development data is not. If you use the same `DATA_PATH_HOST` for different projects, the projects will overwrite each other's data.

6. Start the environment with the services you need

In your tiki-docker source, you can now start your environment with the services of your choices:

```
docker-compose up -d apache2 mariadb elasticsearch maildev phpmyadmin adminer workspace
```

etc....

7. Enjoy

You can now access Tiki at <http://localhost:PORTNUMBER>. The PORTNUMBER will depend of the http host port variable configured in the `.env` file.

To access your workspace and run composer commands, tiki commands, etc..., in your tiki-docker source, run:

```
docker-compose exec workspace bash
```

When you finished developing, you can stop your containers. In your tiki-docker source, run:

```
docker-compose stop
```

Tips

Create aliases

Rather than typing every time `docker-compose up -d apache2 mariadb...`, you might want to create aliases, like for example `devup`. Same for stopping your containers: `devdown`, or going into your workspace: `devbash`.

Resources

- Docker documentation and installation: <https://docs.docker.com/>
- Git: <https://git-scm.com/>
- Laradock: <https://laradock.io/>
- dotenv files: [dotenv google search](#)
- Xdebug: <https://xdebug.org/>

Issues, questions

Please report on the tiki-docker repo: <https://gitlab.com/tikiwiki/tiki-docker>

Thanks!

Related: Kubernetes and AppImage

Soon to be official

<https://hub.docker.com/r/tikiwiki/tikiwiki>

<https://hub.docker.com/r/tikiwiki/php>

Unofficial or deprecated sources

<https://github.com/TikiWiki/docker-tikiwiki/tree/19.x>

Guillaume

<https://sleeplessmind.com.mo/news/docker-tiki/>

<https://github.com/godbout/docker-tiki>

<https://gitlab.com/guill/docker-tiki>

Fabio

<https://github.com/fabiomontefusco/docker-tikiwiki>

- <https://gist.github.com/fabiomontefusco/6413587debccc9058d7850b96c5f91e5>

Jyhem

Everything I know on the topic of getting a working Tiki12 on docker is reported here:

<https://tiki.org/Tiki-deploiement---Experiment-with-appsdeck>

Nelson

See this commit for all the info:

<https://gitlab.com/synergiq/tiki/commit/050df06191d4652d49faf5f85420890740992862>

The link to the branch (from master) is <https://gitlab.com/synergiq/tiki/tree/docker>

Related links

- <https://roundcubeinbox.wordpress.com/2020/01/04/update-docker-images-when-base-image-changes/>