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

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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.:
   
   ```bash
   git checkout 20.x
   ```

3. Clone tiki-docker

In that same directory, clone tiki-docker:

   ```bash
   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:

   ```bash
   cd laradock
   ```

   then check out your environment:
dev.tiki.org

**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:

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

7. Enjoy

You can now access Tiki at `http://localhost:PORTNUMBER`. The PORTNUMBER will depend on 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:

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

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

```bash
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://github.com/godbout/docker-tiki
https://gitlab.com/guill/docker-tiki

Fabio
https://github.com/fabiomontefuscolo/docker-tikiwiki
  • https://gist.github.com/fabiomontefuscolo/6413587debccc9058d7850b96c5f91e5

Jyhem
Everything I know on the topic of getting a working Tiki12 on docker is reported here:
https://tiki.org/Tiki-deployement---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