

Self-Hosting Simple Web Services with Traefik and Docker Compose

Matthew McGraw
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Who am I?

- Full-Time Dad; Some time blogger and speaker
- Advocate for data privacy and decentralization
- Expert in doing things the wrong way so you don't have to!

What gives me the Right?

- Long time Linux user
- Been self-hosting for almost 10 years
- FOSS

What is *self*-hosting?

- Any server you have root access to
- Any server you have SSH keys to
- Any server you can destroy at will



What is self-*hosting*?

On Premises

- Can be anything
 - Raspberry Pi
 - Old laptop
 - Retired server

In a Datacenter

- Someone Elses Metal
 - Linode
 - Digital Ocean
 - Non-profit

Why might I want to self-host?

- Data Privacy and Decentralization
 - Google, Facebook, etc
- Cost Savings
 - Pay hosting costs; not subject to a service providers whims
- Love to Tinker and Learn
 - A hobby or a tool to learn a new skill
- It's FUN!!!
 - This is why we “FOSS”, right?

What can I self-host?

- Blogs and Websites
 - Ghost, Wordpress, MKDocs, etc
- Media Servers
 - Plex, Jellyfin, Airsonic
- Backup/File Share
 - Duplicati, FileGator, Nextcloud
- Document Editors
 - Code-server, Hedgedoc

Check out <http://fleet.linuxserver.io>

What is Traefik?

- Traefik is a cloud-based router and reverse proxy
- Traefik is a very complex, powerful software and we are just scratching the surface of its capabilities in this talk.

What is docker-compose?

- Docker-compose is an orchestration platform for managing docker containers.
- Docker-compose is a very complex, powerful software and we are just scratching the surface of its capabilities in this talk.

What am I assuming about you?

- You have a passing familiarity with Docker
- You are able to install/run/manage a linux box (server)
- You are interested in self-hosting *SOMETHING*
- You would like to make this process as simple as possible

What is our project today?

- Traefik

- Cloud router and reverse proxy



- MariaDB



- free/open source SQL Database

- Hedgedoc



- “*The best platform to write and share markdown*”
(hedgedoc.org)