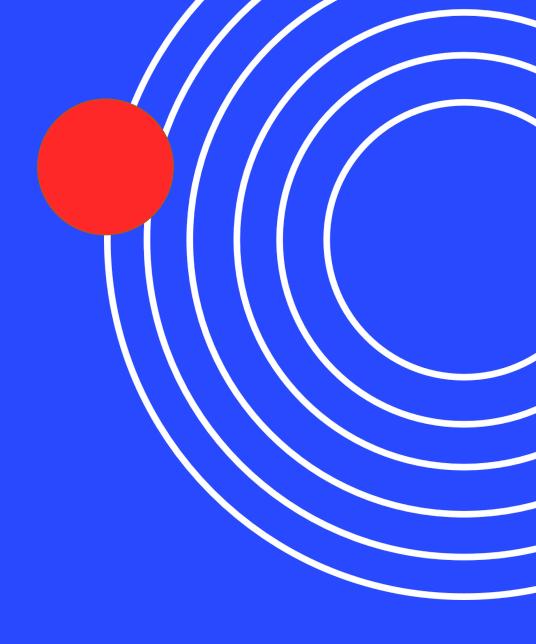
Self-Hosting at Home Taking Back Control and Building Your Skills

Hi I'm Josh Fabean

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Has This Ever Happened to You?

Went to use your voice assistant but it didn't work because Amazon shut down your account?

US NEWS

Amazon shuts down customer's smart home devices after delivery driver's false racism claim

By Emily Crane

Published June 15, 2023, 4:28 p.m. ET



Amazon shut off a man's smart home devices for a week after a delivery driver falsely accused the customer of hurling a racial slur via a doorbell intercom, the tech giant confirmed Thursday.

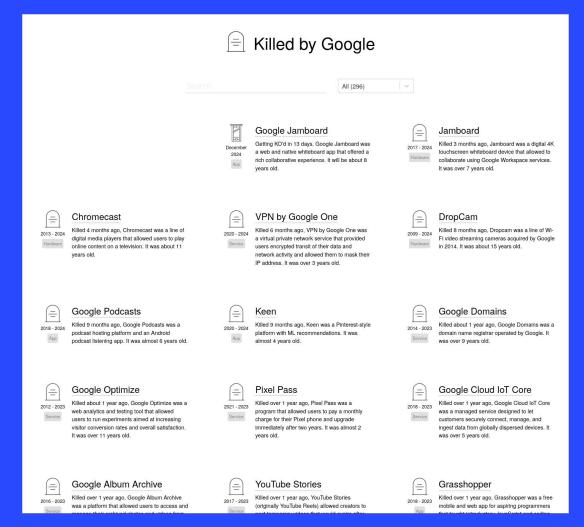
Brandon Jackson, who is black, said he found himself digitally exiled by the company on May 25 — less than 24 hours after an Amazon delivery driver dropped off a package at his home and reported him for being racist.

The homeowner, who detailed the saga in a Medium post, said he was informed of the unwarranted lockout after contacting Amazon when he realized he couldn't interact with his smart home devices.

"I was told that the driver who had delivered my package reported receiving racist remarks from my 'Ring doorbell'," Jackson said.

Jackson, an engineer at Microsoft, was quick to point out flaws in the allegation — including that none of his family members were actually home when the package was dropped off.

Loved a Service that got taken away from you?



Were in the middle of buying a house and Google deletes your account and reports you to the police.

The New Hork Times

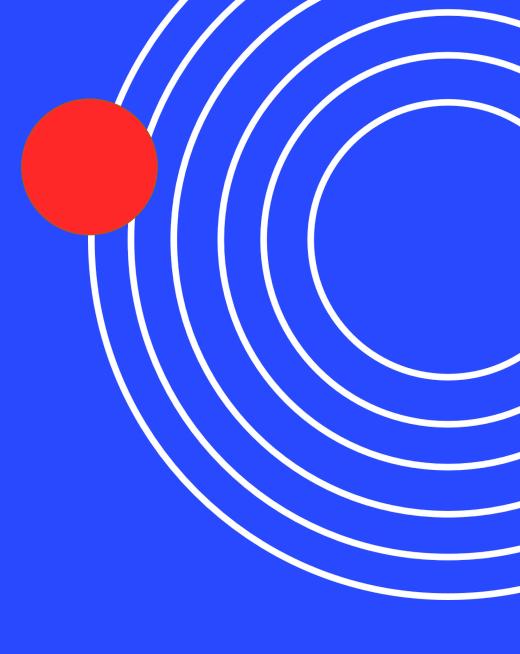
A Dad Took Photos of His Naked Toddler for the Doctor. Google Flagged Him as a Criminal.

Google has an automated tool to detect abusive images of children. But the system can get it wrong, and the consequences are serious.

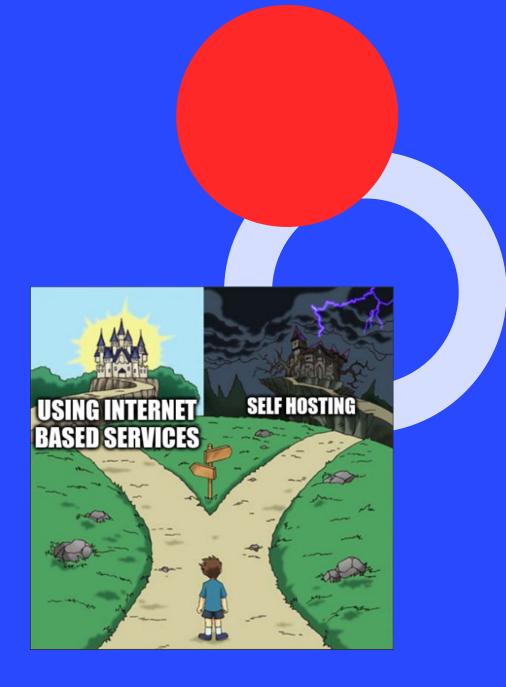


Less over the top examples

Netflix removes the TV Show you love Services increase their prices and remove the features



There must be a better way



Self-Hosting Gateway Drugs

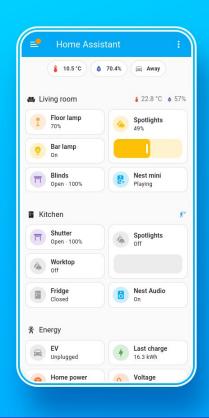
Plex

Host your own movies, TV shows, and music with the ability to play it on any device streamed from your computer



Home Assistant





Tie all your smart home features into one interface, if done right you can use smart home things even when access to outside internet is out because your server talks directly to your hardware.

Nextcloud

Nextcloud Hub combines key Nextcloud products — Files, Talk, Groupware, Office and Assistant — into a single platform, optimizing the flow of collaboration.

Designed for humans

Infrastructure integration

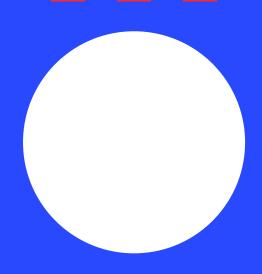
Nextcloud Hub

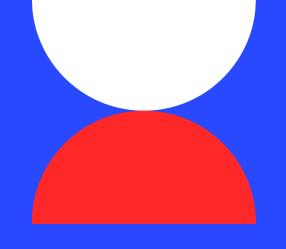


Google Drive, Dropbox replacement.

Getting Started

All you need is a computer and internet connection





Follow along

Repo of samples: https://gitlab.com/fabean/self-hosted-samples

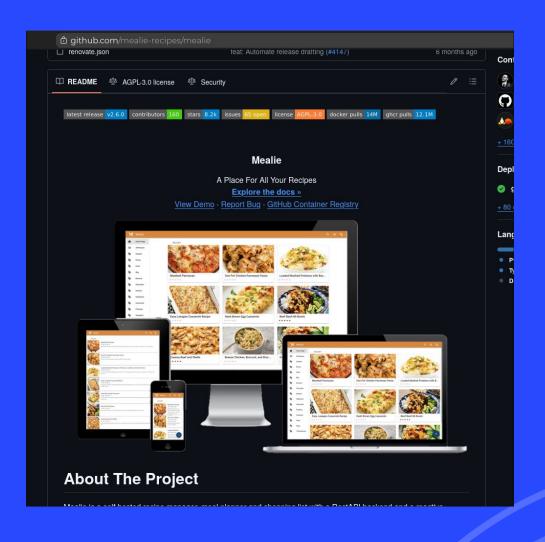
Let's not ALL do this and break the internet please.

Name	Last commit	Last update
□ actual-budget	adding more services	8 minutes ago
audiobookshelf	adding more services	8 minutes ago
□ bytestash	adding more services	8 minutes ago
☐ frigate	adding more services	8 minutes ago
immich :	init commit	2 months ago
□ jellyfin	init commit	2 months ago
₾ mealie	adding memos	1 hour ago
<u>□</u> memos	adding memos	1 hour ago
nextcloud	init commit	2 months ago
□ plex	init commit	2 months ago
□ searxng	init commit	2 months ago
traefik	init commit	2 months ago
C LICENSE	adding license	just now
™ README.md	updating readme	2 minutes ago
docker-compose.yaml	adding more services	8 minutes ago

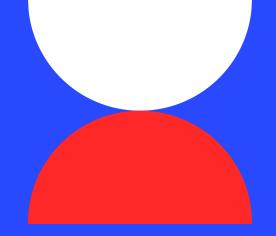
B docker-compose.yaml 🖰 345 B

include: - ./immich/compose.yaml - ./jellyfin/compose.yaml - ./mealie/compose.yaml - ./nextcloud/compose.yaml - ./plex/compose.yaml ./searxng/compose.yaml - ./memos/compose.yaml ./actual-budget/compose.yaml - ./audiobookshelf/compose.yaml 10 ./bytestash/compose.yaml 11 - ./frigate/compose.yaml 12 ./traefik/compose.yaml 13 14 15

Lets start with mealie



- Provides docker-compose
- Single container

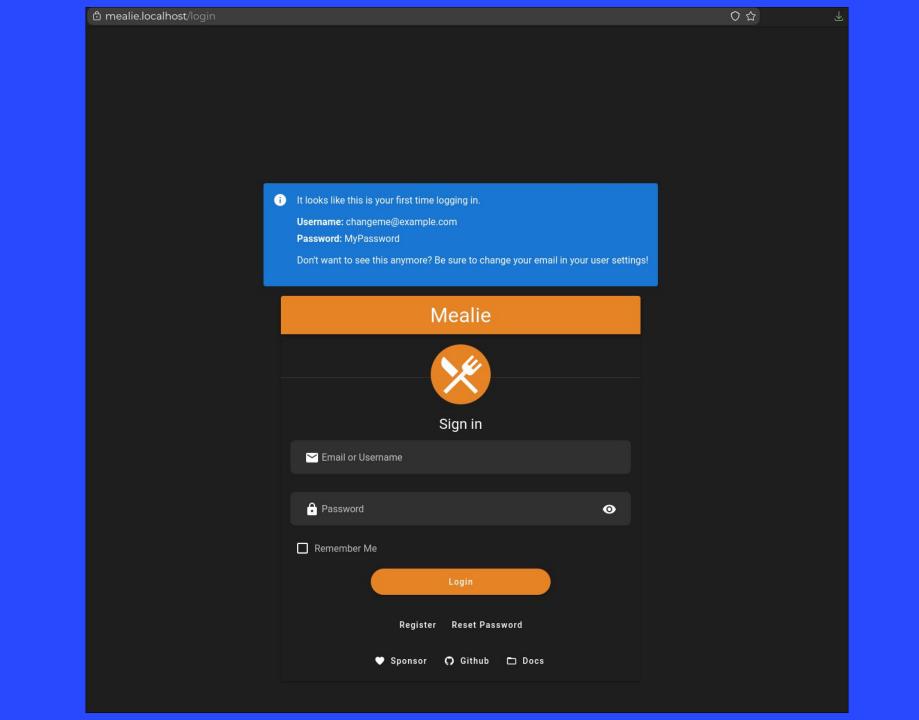


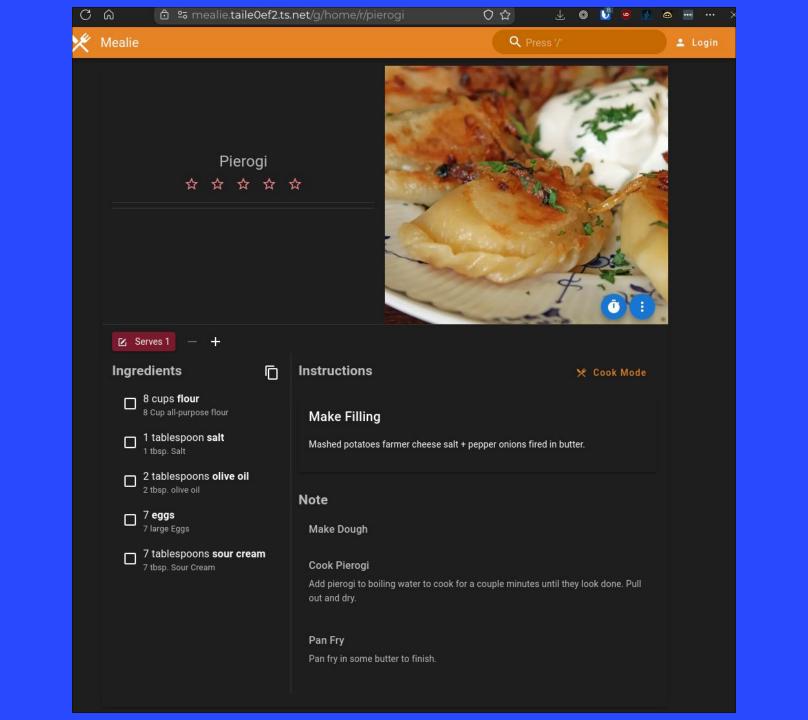
```
🖺 compose.yaml 🛱 523 B
           services:
             mealie:
               image: ghcr.io/mealie-recipes/mealie:v2.4.0
               container_name: mealie
        4
        5
               volumes:
                 - mealie-data:/app/data
        6
               environment:
                 - ALLOW_SIGNUP=true
        8
                 - TZ=America/New_York
       9
                 - BASE_URL=http://mealie.localhost
       10
      11
               restart: unless-stopped
               labels:
                 - traefik.enable=true
      13
                 - traefik.http.routers.mealie.rule=(Host(`mealie.localhost`))
      14
                 - traefik.http.routers.mealie.tls=true
      15
      16

    traefik.http.services.mealie.loadbalancer.server.port=9000

      17
      18
           volumes:
             mealie-data:
      19
       20
```

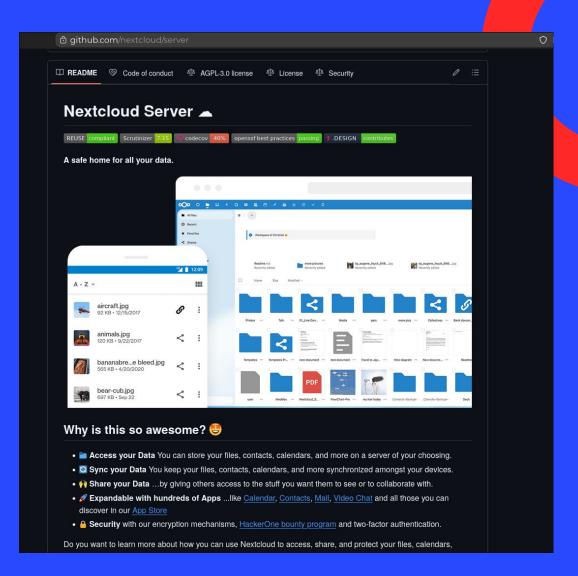






Nextcloud

Two containers, one database and one application



B compose.yaml 🖁 1.43 KIB Edit ▼

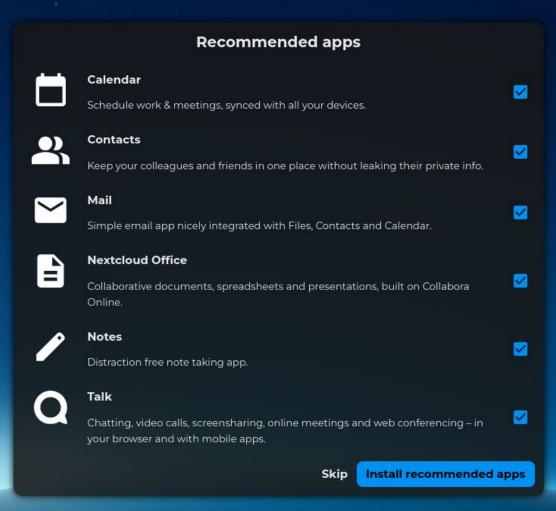
```
1 services:
      nextcloud_mariadb:
        container_name: nextcloud-mariadb
 4
        image: mariadb:10.6
 5
        environment:
 6
         - MYSQL_ROOT_PASSWORD=${DB_ROOT_PASSWORD}
         - MYSQL_PASSWORD=${DB_PASSWORD}
 8
         - MYSQL_DATABASE=${DB_DATABASE_NAME}
 9
         - MYSQL_USER=${DB_USERNAME}
10
        volumes:
11
         - ./mariadb:/var/lib/mysql
12
         - /etc/localtime:/etc/localtime:ro
        restart: unless-stopped
13
14
      nextcloud_app:
15
        container_name: nextcloud-app
16
        image: nextcloud:30
17
        volumes:
18
         - ./data:/var/www/html
19
         - /etc/localtime:/etc/localtime:ro
20
        restart: unless-stopped
21
        #depends_on:
22
        # - ts-nextcloud
23
        #network_mode: service:ts-nextcloud
24
        labels:
25
         - traefik.enable=true
26
         - traefik.http.routers.nextcloud.rule=(Host(`nextcloud.localhost`))
27
         - traefik.http.routers.nextcloud.tls=true
28
         #- traefik.http.routers.nextcloud.tls.certresolver=cloudflare
29
30
     #ts-nextcloud:
     # image: tailscale/tailscale:latest
31
32
     # hostname: nextcloud
33
     # container_name: ts-nextcloud
34
     # environment:
35
     # - TS_AUTHKEY=tskey-auth-xxxxxxxxxxxxxxxxxx
     # - TS_STATE_DIR=/var/lib/tailscale
36
37
     # - TS_USERSPACE=false
     # - TS_SERVE_CONFIG=/config/nextcloud.json
38
39
     # - ./tailscale/state:/var/lib/tailscale
40
     # - ./tailscale/config:/config
41
42
     # devices:
43
     # - /dev/net/tun:/dev/net/tun
44
     # cap_add:
45
     # - net_admin
     # - sys_module
46
47
     # restart: unless-stopped
48
49
    volumes:
      nextcloud_app:
     nextcloud mariadh:
```

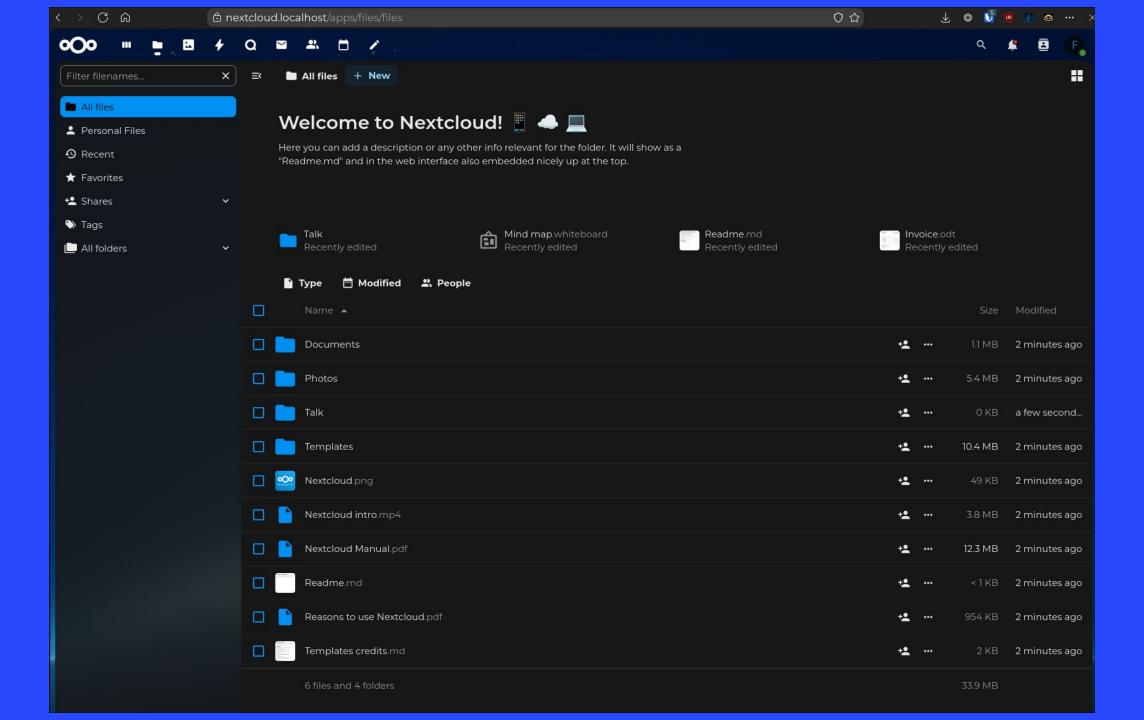
.env 6 92 B 1 DB_USERNAME=nextcloud 2 DB_DATABASE_NAME=nextcloud 3 DB_PASSWORD=changeme 4 DB_ROOT_PASSWORD=root 5



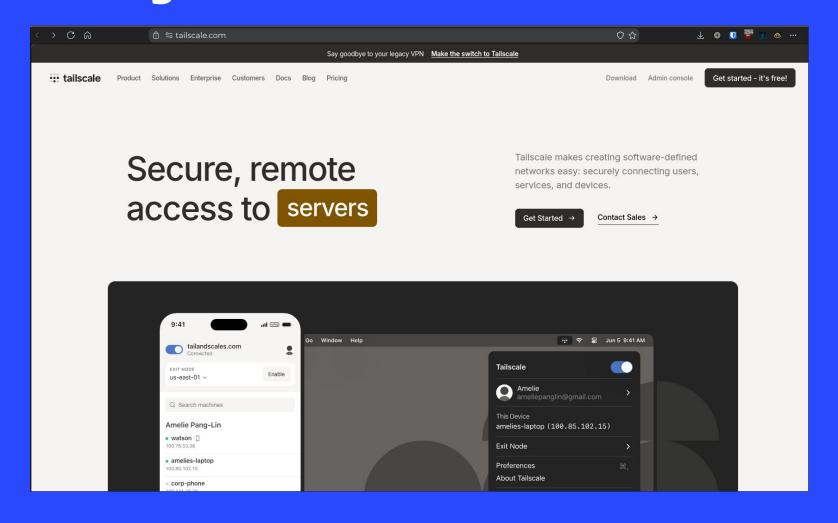
Create an admin account
Login
fabean
Password
•
Storage & database ▼ Data folder
/var/www/html/data
Configure the database
SQLite MySQL/MariaDB PostgreSQL
Database account
nextcloud
Database password
······
Database name
nextcloud
Database host
nextcloud_mariadb:3306
Please specify the port number along with the host name (e.g., localhost:5432).
Need help? See the documentation >





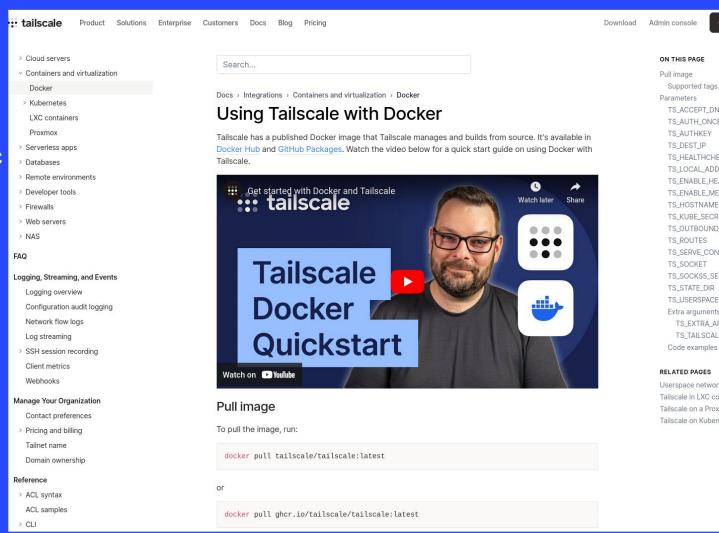


Great, but what about using this outside my house?



Using Tailscale with docker

 https://tailscale.com/kb/1282/doc ker



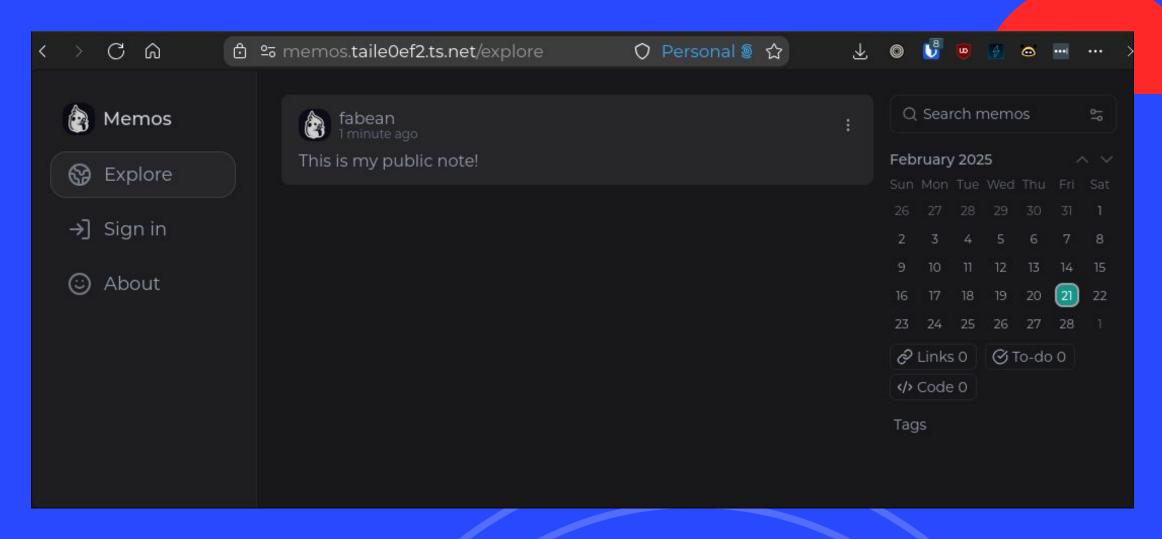
Spinning up Memos with Tailscale

```
← memos.json 
☐ 264 B

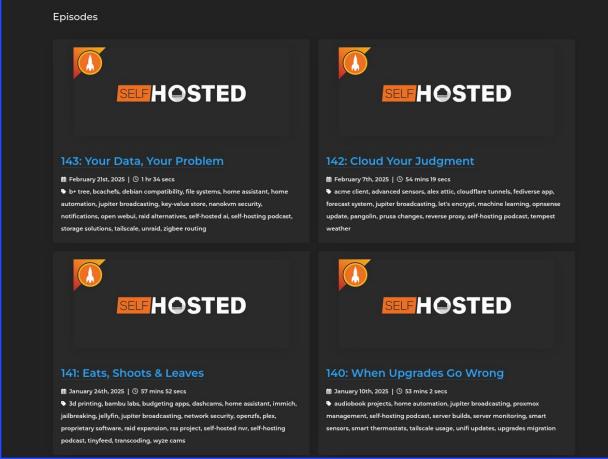
             "TCP": {
               "443": {
                  "HTTPS": true
             "Web": {
               "${TS_CERT_DOMAIN}:443": {
                 "Handlers": {
                    "/": {
       10
                     "Proxy": "http://127.0.0.1:5230"
       11
       12
       13
       14
       15
             "AllowFunnel": {
       16
               "${TS_CERT_DOMAIN}:443": true
       17
       18
       19
```

```
e compose.yaml 6 743 B
       1 services:
             container_name: memos
             image: neosmemo/memos:stable
             restart: unless-stopped
             network_mode: service:ts-memos
             depends_on:
               - ts-memos
             volumes:
               - ./data:/var/opt/memos
      11
      12
            ts-memos:
      13
             image: tailscale/tailscale:latest
             hostname: memos
      15
             container_name: ts-memos
             environment:
               - TS_STATE_DIR=/var/lib/tailscale
      19
               - TS_USERSPACE=false
               - TS_SERVE_CONFIG=/config/memos.json
      21
             volumes:
      22
               - ./tailscale/state:/var/lib/tailscale
               - ./tailscale/config:/config
      24
             devices:
               - /dev/net/tun:/dev/net/tun
      25
      26
             cap_add:
      27
              - net_admin
               - sys_module
      29
             restart: unless-stopped
      30
```

https://memos.taile0ef2.ts.net

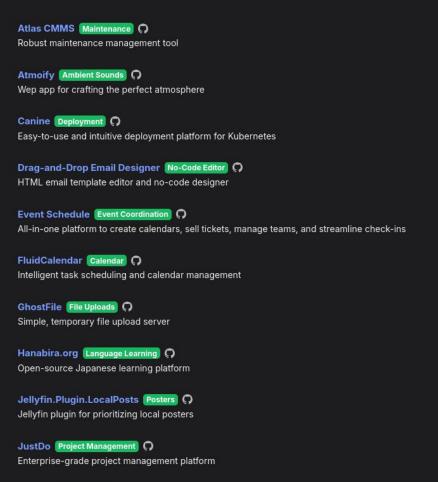


Self Hosted Podcast https://selfhosted.sho

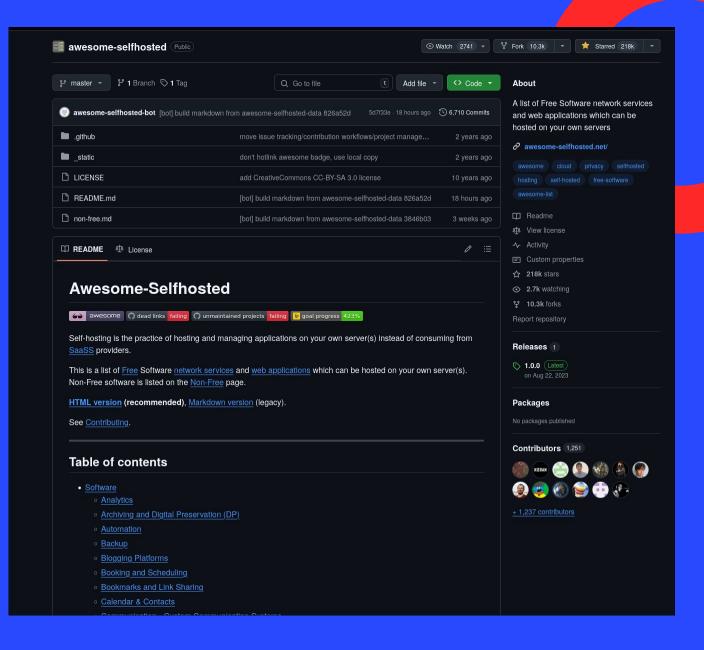


This Week In Self Hosted: Selfh.st

New Software



Awesome Selfhosted: https://github.com/awesome-selfhosted



Thank you