

02-filebrowser.md

kstack: book: Centerpoint Home
Lab chapter: Utilities page:
FileBrowser tags: [filebrowser,
files, storage, authentik]

Overview

FileBrowser is a web-based file manager that provides browsing, uploading, downloading, and editing of files across multiple mounted host paths. The external route is protected by Authentik ForwardAuth. The internal route requires no additional middleware. Several significant host directories are exposed.

Access

Type	URL	Auth
External	<code>https://files.jeeves5454.ddns.net</code>	Authentik ForwardAuth + GeoBlock + CrowdSec
Internal	<code>https://files.home.local</code>	FileBrowser own auth (Step-CA TLS)

Configuration

Image: `filebrowser/filebrowser:latest`

Traefik Labels

```
traefik.http.routers.filebrowser-external.rule: Host(`files.jeeves5454.ddns.net`)
traefik.http.routers.filebrowser-external.entrypoints: websecure
traefik.http.routers.filebrowser-external.tls.certresolver: letsencrypt
traefik.http.routers.filebrowser-external.middlewares: authentik-auth@docker,plex-geoblock@file,crowdsec-bouncer@file
traefik.http.routers.filebrowser-external.service: filebrowser-svc

traefik.http.routers.filebrowser-internal.rule: Host(`files.home.local`)
traefik.http.routers.filebrowser-internal.entrypoints: websecure
traefik.http.routers.filebrowser-internal.tls.certresolver: step-ca
traefik.http.routers.filebrowser-internal.service: filebrowser-svc

traefik.http.services.filebrowser-svc.loadbalancer.server.port: 80
```

Volumes / Bind Mounts

Host Path	Container Path	Purpose
/home/jeeves/docker/filebrowser/config	/config	FileBrowser config file
/home/jeeves/docker/filebrowser/database	/database	FileBrowser database (SQLite)
/home/jeeves	/srv/home	Jeeves home directory
/media/jeeves/1TB_Vol2/downloads	/srv/downloads	Download staging area (Ceph OSD)
/mnt	/srv/mnt	NFS mounts (Multimedia, Photos, data)

“ FileBrowser provides access to the full home directory, download staging area, and all NFS mounts. Treat external access with appropriate caution.

Notes / Gotchas

- Authentik ForwardAuth is applied on the external route — external access requires a valid Authentik session before FileBrowser's own login is shown. FileBrowser still maintains its

own user database internally.

- `/mnt` is exposed as `/srv/mnt` — this includes all NFS shares from UnRAID (`/mnt/Multimedia`, `/mnt/Photos`, `/mnt/data`). Changes made via FileBrowser are live on the NFS shares.
- The SQLite database in `/database` stores FileBrowser users, permissions, and settings. Back it up alongside `/config`.
- `PUID=1000 / GID=1000` — FileBrowser runs as the `jeeves` user, so file operations respect the same ownership as files on disk.

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