

06-audiobookshelf.md

kstack: book: Centerpoint Home

Lab chapter: Media &

Entertainment page:

Audiobookshelf tags:

[audiobookshelf, audiobooks,
podcasts, media]

Overview

Audiobookshelf is a self-hosted audiobook and podcast server. It manages and streams audiobook and podcast content from the UnRAID NFS share, tracks listening progress across devices, and supports mobile apps for on-the-go listening.

A notable configuration detail: the Step-CA root certificate is injected into the container's trust store so that Audiobookshelf can make HTTPS calls to internal `*.home.local` services (e.g. for metadata lookups or integrations).

Access

Type	URL	Notes
External	<code>https://audio.jeeves5454.ddns.net</code>	GeoBlock (CA/US/IN) + CrowdSec — no Authentik

No *.home.local internal Traefik route — accessible externally or via direct LAN IP. Audiobookshelf uses its own account-based authentication.

Configuration

Image: ghcr.io/advplyr/audiobookshelf:latest **Compose project:** Standalone (managed via Portainer)

Traefik Labels

```
traefik.enable: "true"
traefik.http.routers.audio.rule: Host(`audio.jeeves5454.ddns.net`)
traefik.http.routers.audio.entrypoints: websecure
traefik.http.routers.audio.tls.certresolver: letsencrypt
traefik.http.routers.audio.middlewares: plex-geoblock@file,crowdsec-bouncer@file,audio-headers
traefik.http.middlewares.audio-headers.headers.customrequestheaders.X-Forwarded-Proto: https
traefik.http.services.audio.loadbalancer.server.port: 80
```

Volumes / Bind Mounts

Host Path	Container Path	Purpose
/home/jeeves/docker/audiobookshelf/config	/config	App database and settings
/home/jeeves/docker/audiobookshelf/metadata	/metadata	Cover art and cached metadata
/mnt/Multimedia/Audio/Audio_Books	/audiobooks	Audiobook files (NFS from UnRAID)
/mnt/Multimedia/Audio/podcasts	/podcasts	Podcast episode files (NFS from UnRAID)
/home/jeeves/docker/step-ca/config/certs/root_ca.crt	/usr/local/share/ca-certificates/step-ca.crt:ro	Step-CA root cert trust injection

The Step-CA root certificate is bind-mounted into the container's CA trust directory, allowing Audiobookshelf to trust *.home.local TLS certificates when making outbound HTTPS requests to internal services.

Networks

Network	Purpose
traefik-net	Exposes the Audiobookshelf UI

Dependencies

- NFS mount `/mnt/Multimedia/Audio` must be healthy for content to be accessible
- Step-CA root certificate at `/home/jeeves/docker/step-ca/config/certs/root_ca.crt` must exist for the bind mount to succeed

Notes / Gotchas

- Audiobookshelf has its own user authentication — no Authentik ForwardAuth is applied. Manage users in the Admin panel.
- The `X-Forwarded-Proto: https` middleware is required for Audiobookshelf to generate correct callback and share URLs when behind Traefik.
- Podcast episode downloads are stored in `/mnt/Multimedia/Audio/podcasts`. Ensure UnRAID has sufficient free space for automatic podcast downloads.
- If Step-CA root cert is updated (e.g. after CA renewal), the container must be restarted to pick up the new cert from the bind mount.
- Listening progress is stored in the SQLite database under `/config`. Back up this directory before upgrades to preserve progress data.

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