

02-jellyfin.md

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[jellyfin, media, streaming, open-
source]

Overview

Jellyfin is a free and open-source media server used as a secondary streaming solution alongside Plex. It serves TV shows and movies from the same UnRAID NFS share and is accessible on the LAN only.

Access

Type	URL	Notes
Internal	<code>https://jellyfin.home.local</code>	LAN access via Step-CA TLS
Direct	<code>http://192.168.1.85:8096</code>	LAN direct access

No external (internet-facing) route.

Configuration

Image: `jellyfin/jellyfin:latest` **Compose project:** Standalone (managed via Portainer)

Ports

Port	Protocol	Purpose
8096	TCP	Jellyfin web UI and API (host-bound)

Traefik Labels

```
traefik.enable: "true"
traefik.http.routers.jellyfin.rule: Host(`jellyfin.home.local`)
traefik.http.routers.jellyfin.entrypoints: websecure
traefik.http.routers.jellyfin.tls: "true"
traefik.http.routers.jellyfin.tls.certresolver: step-ca
traefik.http.services.jellyfin.loadbalancer.server.port: 8096
```

Environment Variables

Variable	Value	Purpose
PUID	1000	User ID
PGID	1000	Group ID
TZ	America/Toronto	Timezone

Volumes / Bind Mounts

Host Path	Container Path	Purpose
/home/jeeves/docker/jellyfin/config	/config	Jellyfin database and settings
/home/jeeves/docker/jellyfin/cache	/cache	Thumbnail and transcode cache
/mnt/Multimedia/TV	/media/tv:ro	TV series (NFS from UnRAID, read-only)
/mnt/Multimedia/Movies	/media/movies:ro	Movies (NFS from UnRAID, read-only)

Networks

Network	Purpose
traefik-net	Exposes Jellyfin via Traefik

Dependencies

- NFS mount `/mnt/Multimedia` must be healthy
- Step-CA for `jellyfin.home.local` TLS certificate

Notes / Gotchas

- Media mounts are read-only (`:ro`) — Jellyfin cannot modify or delete source files.
- Jellyfin and Plex both mount the same NFS directories. Metadata and library scans are independent between the two servers.
- Hardware transcoding is available on Jellyfin but not explicitly configured — the `jellyfin/jellyfin:latest` image supports it via FFmpeg with Intel/NVIDIA hooks. Configure in Admin → Dashboard → Playback if needed.
- Port `8096` is also used by Emby (currently offline). Only one can be host-bound at a time — ensure Emby is stopped before starting Jellyfin and vice versa.

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