

01-plex.md

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Overview

Plex Media Server is the primary media server for the homelab, serving movies, TV shows, and other content to Plex clients on the local network and remotely. It uses Plex's own account-based authentication — no Authentik ForwardAuth is applied. GeoBlock is active on the external route.

A second Plex instance running on another device (`192.168.1.186`) is routed via Traefik's file provider as `plex2.jeeves5454.ddns.net`.

Access

Type	URL	Notes
External	<code>https://plex.jeeves5454.ddns.net</code>	GeoBlock (CA/US/IN), no Authentik — Plex account auth
Direct	<code>http://192.168.1.85:32400</code>	LAN direct access

No `*.home.local` internal Traefik route — Plex is accessed externally or by direct IP on the LAN.

Configuration

Image: `lscr.io/linuxserver/plex:latest` **Compose project:** Standalone (managed via Portainer)

Ports

Port	Protocol	Purpose
<code>32400</code>	TCP	Plex Media Server API and web UI

Traefik Labels

```
traefik.enable: "true"
traefik.http.routers.plex.rule: Host(`plex.jeeves5454.ddns.net`)
traefik.http.routers.plex.entrypoints: websecure
traefik.http.routers.plex.tls.certresolver: letsencrypt
traefik.http.routers.plex.middlewares: plex-geoblock@file,plex-headers
traefik.http.middlewares.plex-headers.headers.customrequestheaders.X-Forwarded-Proto: https
traefik.http.services.plex.loadbalancer.server.port: 32400
```

The `plex-headers` middleware injects `X-Forwarded-Proto: https` — required for Plex to generate correct redirect and callback URLs when behind a reverse proxy.

Environment Variables

Variable	Value	Purpose
<code>PUID</code>	<code>1000</code>	Run as user ID 1000
<code>PGID</code>	<code>1000</code>	Run as group ID 1000
<code>TZ</code>	<code>America/Toronto</code>	Timezone
<code>VERSION</code>	<code>docker</code>	Use the latest Plex from Docker Hub
<code>ADVERTISE_IP</code>	<code>https://plex.jeeves5454.ddns.net:443</code>	External URL Plex advertises to clients

`ADVERTISE_IP` must match the externally reachable URL for remote streaming to work correctly when behind Traefik.

Volumes / Bind Mounts

Host Path	Container Path	Purpose
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/home/jeeves/docker/plex/config	/config	Plex database, metadata, settings
/mnt/Multimedia	/Multimedia	All media files (NFS from UnRAID)
/home/jeeves/docker	/docker	Utility bind (admin access)

Networks

Network	Purpose
traefik-net	Exposes Plex via Traefik external route

Dependencies

- NFS mount /mnt/Multimedia must be healthy — if UnRAID is down, Plex will show libraries as unavailable
- Internet connectivity for metadata scraping and Plex account authentication

Notes / Gotchas

- Plex uses its own authentication (Plex.tv account). Authentik ForwardAuth is not applied to the external route because it would break the Plex app auth flow.
- VERSION=docker always pulls the latest Plex release on container start — pin to a specific build number (e.g. VERSION=1.41.x.xxxx-xxxxxxxxxx) for stability.
- Plex transcoding temp files are written to /tmp inside the container. For heavy transcoding workloads, consider adding a bind mount for the transcode directory to a fast local path.
- Tautulli connects to Plex via the direct API at http://plex:32400 over the traefik-net bridge.

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