Jellyfin

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This guide provides a Docker Compose YAML file to deploy a Jellyfin media server.

Prerequisites

- Docker and Docker Compose must be installed. Refer to Docker Installation Guide for setup instructions.
- Basic knowledge of Docker commands and file system permissions.
- A local storage location for Jellyfin’s configuration, cache, and media files.

Setup

1. Create a directory for your Jellyfin setup (e.g., mkdir jellyfin && cd jellyfin).
2. Ensure the local storage paths (e.g., /mounted/local/storage/location) exist on your host system and have appropriate permissions (e.g., owned by user/group with IDs 1001).
3. Create a docker-compose.yml file in the directory.

Docker Compose YAML

yaml

```
version: "3"
services:
  jellyfin:
    image: jellyfin/jellyfin:latest
    container_name: jellyfin
    environment:
      - PUID=1001
      - PGID=1001
      - TZ=America/Los_Angeles
    volumes:
      - /home/user/jellyfin/config:/config
      - /home/user/jellyfin/cache:/cache
      - /home/user/jellyfin/media:/media
    ports:
      - 8098:8096
    restart: unless-stopped
```

Running the Service

1. In the directory containing docker-compose.yml, run:

   ```
   docker-compose up -d
   ```

2. Access Jellyfin by navigating to http://<your-server-ip>:8092 in a web browser.

Notes

- **Storage Paths**: Replace `/mounted/local/storage/location` with actual paths on your host (e.g., `/home/user/jellyfin/config`). Using the same path for `/config`, `/cache`, and `/media` may not be ideal; consider separate paths (e.g., `/home/user/jellyfin/config`, `/home/user/jellyfin/cache`, `/home/user/jellyfin/media`) for better organization.
- **Permissions**: Ensure the user/group IDs (PUID/PGID) match the owner of the storage paths. Adjust `1001` to match your system's user/group IDs if needed (check with `id <username>`).
- **Port**: The service maps port `8098` on the host to `8096` in the container. Ensure `8098` is open on your firewall.