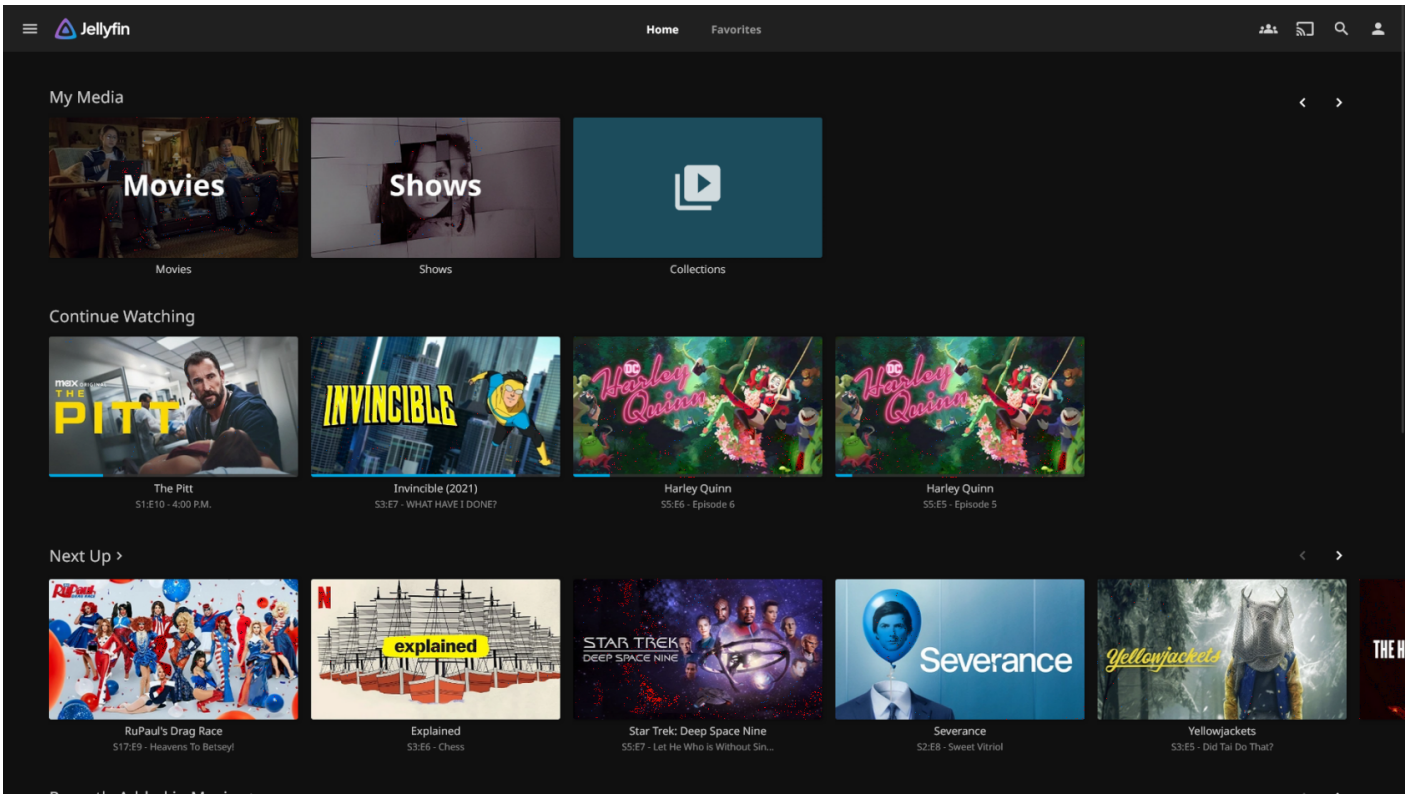
Jellyfin •

Jellyfin is a community-built media streaming solution for movies, music, television, books and photos. When you import media, it is automatically identified so metadata can be pulled from open repositories. Watch your media on all your devices with client apps made for every platform.

Overview



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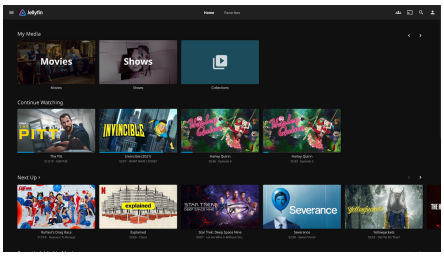
> Tryout a Jellyfin demo.

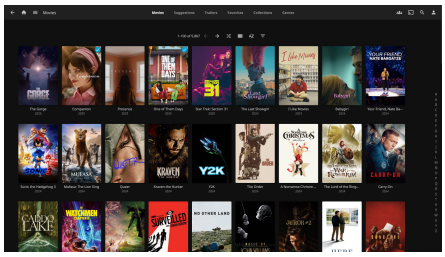
- Access a home dashboard that lets you keep track of new releases, current progress and what's up next.
- Share your media with friends and sync your playback in real-time to watch together.
- Automatically converts media to a compatible format for your streaming device.

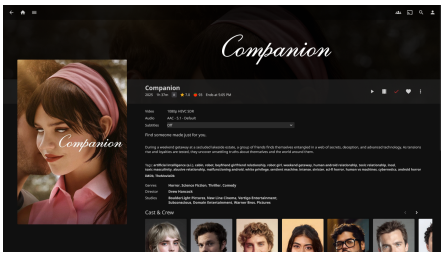
Media

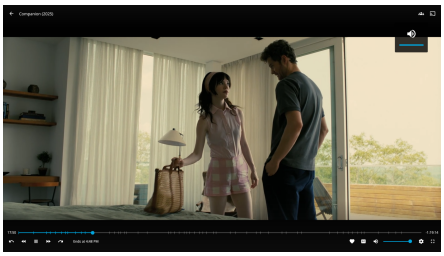
Screenshots

> Jellyfin Server v10.10.3









Setup & Configuration

We need to install the service through Portainer and configure any necessary settings.

Preparation

There are some things we need to do in preparation to install this service.

Volumes

Persistent Data

This is where the service will store its own application data and ensures we can quickly update the service image.

> Ensure your user has permissions to access the folder.

Media Folders

This service will need access to the folders where you store your media files.

> Ensure your user has permissions to access the folder.

Environment

TZ

This is the current time zone formatted using the tz database.

> *For example:* America/Vancouver

PUID

This is the numeric ID of the user account on Debian. If you are unsure, open a terminal and run:

```
id -u
```

PGID

This is the numeric ID of the user account's group on Debian. If you are unsure, open a terminal and run:

```
id -g
```

Hardware Acceleration

> You will need to perform additional steps to attach some graphics cards to Docker containers.

Intel Embedded Graphics

Modern Intel processors have an embedded graphic processor that can be used for hardware acceleration within this container.

AMD Graphics

AMD and ATI graphic cards can be used for hardware acceleration within this container after an initial setup.

Nvidia Graphics

Nvidia graphics cards can be used for hardware acceleration within this container after an initial setup.

Installation

The service can be installed through the Portainer web interface.

> Learn about creating a new stack.

Docker Compose

Intel and AMD Graphics

Use the following code to install the service:

```
---
services:
  jellyfin:
    image: lscr.io/linuxserver/jellyfin:latest
    container_name: jellyfin
    network_mode: bridge
    environment:
      - PUID=1000
      - PGID=1000
      - TZ=America/Vancouver
    volumes:
      # Persistent Data
      - /srv/jellyfin:/config

      # Media Folders
      - /mnt/movies:/mmt/movies
      - /mnt/television:/mmt/television
      - /mnt/music:/mmt/music
      - /mnt/books:/mmt/books
    devices:
```

```
      - /dev/dri:/dev/dri
    ports:
      - 8096:8096
      - 8920:8920
      - 7359:7359/udp
      - 1900:1900/udp
    restart: unless-stopped
```

Nvidia Graphics

Use the following code to install the service:

```
---
services:
  jellyfin:
    image: lscr.io/linuxserver/jellyfin:latest
    container_name: jellyfin
    network_mode: bridge
    runtime: nvidia
    environment:
      - PUID=1000
      - PGID=1000
      - TZ=America/Vancouver
      - NVIDIA_VISIBLE_DEVICES=all
    volumes:
      # Persistent Data
      - /srv/jellyfin:/config

      # Media Folders
      - /mnt/movies:/mmt/movies
      - /mnt/television:/mmt/television
      - /mnt/music:/mmt/music
      - /mnt/books:/mmt/books
    ports:
      - 8096:8096
      - 8920:8920
      - 7359:7359/udp
```

```
    - 1900:1900/udp
  restart: unless-stopped
```

Updating

> Re-Deploy the Stack

This service has been optimized for running in Docker thanks to LinuxServer.io.

This allows you to re-deploy the stack through Portainer to download the latest updates.

User Manual

Development

> This software is released under the GPL-2.0 license.

The software was developed as a fork of Emby after it changed to a closed-source model. Jellyfin is made available for Docker through the efforts of LinuxServer.io and their commitment to simplifying self-hosting.

You can learn more about how to contribute to Jellyfin through their website.

The Jellyfin development team also accepts sponsorships.

Resources

Official

- Official Wiki
- Official Matrix
- Official GitHub Repository
- Official Website
- Getting Started Guide
- Frequently Asked Questions
- General Troubleshooting

LinuxServer.io

- Docker Image
- Official Website
- Official Documentation
- Official Discord
- Official Forum
- Official GitLab Repository
- Frequently Asked Questions