

Description:

Jellyfin is an open-source media server software that allows users to organize, manage, and stream their personal media collection. It offers a self-hosted solution for individuals who want to have complete control over their media library and enjoy a seamless media streaming experience.

At its core, Jellyfin serves as a central hub for all your movies, TV shows, music, and photos. It supports a wide range of media formats and can handle large libraries with ease. Users can upload their media files to the Jellyfin server, which then organizes and categorizes the content based on metadata such as title, genre, actors, and more. This makes it easy to browse and search for specific items within the collection.

One of the key features of Jellyfin is its ability to stream media to various devices. It provides a web-based interface that can be accessed from any browser, allowing users to stream their media on desktops, laptops, and mobile devices.

Additionally, Jellyfin offers dedicated apps for popular platforms like Android, iOS, Roku, Apple TV, and more, making it convenient to access your media on a wide range of devices.

Furthermore, Jellyfin supports various features to enhance the media streaming experience. It offers support for subtitles, multiple audio tracks, and even transcoding to ensure compatibility with different devices and network conditions. It also provides features like remote access, parental controls, and integration with external services such as IMDb, Trakt.tv, and more.

The aim of this project is to address and fix some of the issues in transcoding and streaming features of Jellyfin.

System & Environment used for Testing:

OS: Ubuntu 22.04.3 LTS x86_64

CPU: Intel i5-2450M (4) @ 3.100GHz

GPU: Intel 2nd Generation Core Processor Family (Sandybridge)

Memory: 8Gb DDR3

Jellyfin v10.8.11 Runing in a docker

Clients:

Roku Tv

Chrome & Firefox Browser

Jellyfin Client for Windows.