

Brief Description

I'm responsible for pulling high definition copies of films and tv shows off of blu-rays and DVDs and uploading them to the media server. We use Jellyfin to serve out to a users, and this gives us a good framework for easily working with our media collection. There's a tricky part when working with the Blu-rays once we've ripped them with a software like MakeMKV. We don't get any episode lables, but we do have know what episodes are on what disc. Usually we would load all the videos on a disc into VLC player, pay attention to the length of each episode and match the length of the episode to what TVDB says the episode length is. Most of the time you can just go in order of how the videos got ripped from the Blurays or DVDs, but there are times where people will burn the tv shows out of order on the disk. Anything that isn't an episode (short videos, trailers or commentary or behind the scenes) we just dump into a folder called "extras". If we see any duplicates, we just dump those into a folder called "delete me" and we'll validate before we delete it later.

This is all really tedious and hard to do manually, so we're looking for an easy to use cli tool that can help out with this. We can give information like

- TV or Movie Name
- What episodes are on what disc
- Files that tell you the disc they're from
- Access to TVDB with an API key
- Actual files so you can see the length of each file

Required tech

You should try to use all python tech. You're free to use whatever libraries that are easily available in Python

Hardware running on

CPU : Ryzen 9970x3d

Ram: 192 GB of DDR5 Ram

GPU: GTX 5090 or GTX5060

User Count: 1

Commercial or Open Source: Open Source

Who is it for? Single Employee in a company

Project Goals

- Goal 1: Build the cli episode matcher tool
- Goal 2: Make sure it works on a variety of tv shows and movies
- Goal 3: Make sure JellyFin can recognize the format so no additional work need to be done to name the file

How to Test

- You will be given a set of 20 Bluray TV and movie disc sets. You'll be given the the following information for each disc set

TV or Movie Name

What episodes are on what disc

Files that tell you the disc they're from

Access to TVDB with an API key

* Actual files so you can see the length of each file

We've already manually matched these up in the past, so your job will be to match them up and match the order we've already validated before hand.

Let us know when you have all the code, and you're ready to begin testing.