# **YouTube to Spotify Playlist Automation**

This Python program allows you to search for a playlist on YouTube and add all of its songs to a new or existing playlist on Spotify.

## **Prerequisites**

* You will need to have Python 3 installed on your machine.
* You will need to create a Spotify developer account and set up an API client in order to use the Spotify API. You will need to provide your Spotify client ID and client secret as environment variables when running the program. You will also need to specify a redirect URI.
* You will need to create a Google developer account and set up a YouTube API key in order to use the YouTube API. You will need to provide your YouTube API key as an environment variable when running the program.

## **Setup**

1. Clone the repository:

Copy code

git clone https://github.com/user/youtube-to-spotify-automation.git

1. Install the dependencies:

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pip install -r requirements.txt

1. Set up your environment variables:

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export SPOTIFY\_CLIENT\_ID=your\_client\_id export SPOTIFY\_CLIENT\_SECRET=your\_client\_secret export SPOTIFY\_REDIRECT\_URI=your\_redirect\_uri export YOUTUBE\_API\_KEY=your\_api\_key

## **Running the program**

1. Run the program:

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python youtube\_to\_spotify.py

1. When prompted, enter your Spotify username and the name of the YouTube playlist you want to add to Spotify.
2. If you want to create a new playlist on Spotify, enter a name and description for the playlist. If you want to add the songs to an existing playlist, enter the name of the playlist.

## **Notes**

* The program will only add the first 50 songs from the YouTube playlist to the Spotify playlist. This is due to limitations in the Spotify API.
* If a song from the YouTube playlist is not found on Spotify, it will be skipped.
* If a playlist with the specified name already exists on Spotify, the songs will be added to the existing playlist.

Can you put this as a document?

Sure! Here's the YouTube to Spotify playlist automation program documentation in a more structured format:

## **Introduction**

The YouTube to Spotify playlist automation program is a Python script that allows you to search for a playlist on YouTube and add all of its songs to a new or existing playlist on Spotify. This can be a useful tool for quickly transferring your favorite playlists from YouTube to Spotify.

## **Prerequisites**

Before you can use the YouTube to Spotify playlist automation program, you will need to have the following:

* Python 3 installed on your machine
* A Spotify developer account and API client set up
* A YouTube API key

## **Setup**

To set up the YouTube to Spotify playlist automation program, follow these steps:

1. Clone the repository:

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**git clone https://github.com/user/youtube-to-spotify-automation.git**

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1. Set up your environment variables:

**export SPOTIFY\_CLIENT\_ID=your\_client\_id export SPOTIFY\_CLIENT\_SECRET=your\_client\_secret export SPOTIFY\_REDIRECT\_URI=your\_redirect\_uri export YOUTUBE\_API\_KEY=your\_api\_key**

## **Usage**

To use the YouTube to Spotify playlist automation program, follow these steps:

1. Run the program

**python youtube\_to\_spotify.py**

1. When prompted, enter your Spotify username and the name of the YouTube playlist you want to add to Spotify.
2. If you want to create a new playlist on Spotify, enter a name and description for the playlist. If you want to add the songs to an existing playlist, enter the name of the playlist.

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