

# Introduction

---

It's grep for lyrics in a Spotify playlist.\ Because there is no better way to search things than with a regex.

## Usage

---

To be able to grep through lyrics you'll first need to download them. You can do that with `spotigrep.py --download [playlist ID]` . The Genius API is quite slow so it will take a while. Next you can search for lyrics using: `spotigrep.py --search [regex]` \ You can also restrict which artist/playlist is to be searched with `-a/--artist` and `-p/--playlist`

## Setup

---

### API keys

I've added my API keys to the repo. You can still change them if you want to though.\ Just paste the `client-id` and `client-secret` as plain text in `./api/spotify` .\ And `client-secret` for the genius api in `./api/genius` .

You can get api keys for free on <http://genius.com/api-clients> and <https://developer.spotify.com/dashboard/login>

### Storing the lyrics

By default the lyrics are stored in `./lyrics/` . If you want it another way change `api_dir` in `spotygrep.py`

the lyrics folder is structured as follows:\ `./lyrics/PLAYLIST/ARTIST/SONG`

## Getting started

---

### Dependencies

to work you'll need to install the Genius and the Spotify Python API\ this can be done with: `pip install spotipy pip install lyricsgenius`

For now spotifgrep only downloads lyrics into the aforementioned file structure.\ The only way to use is running:\ `python spotigrep.py [PLAYLIST_ID]` \ The `playlist_id` is the last string in the webplayer when you have the playlist open.

depending on the size of the playlist it could take a couple of minutes.\ I ran it on a Playlist with approx. 100 songs and it took about 5-10min. (again: I'll be trying to improve the time)

If you are as impatient as I am you can repeatedly run: `ls lyrics/PLAYLIST/** | wc -l` to check how many lyrics you've downloaded.\ Note that all names (playlist, artist, song) are stripped of any characters that fit: `[\^A-Za-z0-9]`

Once you finished downloading the lyrics you can simply run:\ `grep ... lyrics/PLAYLIST/**`

## TODO

---

- installation so that it can be run from any dir
- shell wrapper so the usage mirrors `grep`
- shorten genius download time