



# Spotify ETL Pipeline



This project collects data from the Spotify API and sends it to Snowflake for easy analysis, all done automatically using AWS services.

- **Extract:** A Lambda function connects to Spotify, pulls playlist data, and saves it to an S3 bucket as a raw JSON file.
- **Transform:** When a new file is uploaded, another Lambda function is triggered. It cleans and organizes the data into tables (artist, album, and songs), and saves them as CSV files in S3.
- **Load:** Snowpipe in Snowflake automatically detects these new CSV files and loads them into structured database tables.

This pipeline runs without any manual steps. It's fully automated, cloud-based, and perfect for handling real-time music data at scale.

