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# AWS Lambda for Spotify Playlist Curation/Automation & Music Analytics

AWS Lambdaを使用して、独自のSpotifyプレイリストと音楽分析を作成/  
更新します。





# Music as a Language

- We all speak different languages.
- Music is evolving from Beethoven, Mozart to Metallica, K-Pop.
- **A Global Language.**





# Music as a Service (MaaS)

- VHS, CD and DVD are no more!
- It's Spotify, Apple Music (streaming platforms) era!
- Recommend Music but **Some Doesn't Make Sense! I expected more!**



# First Step to **M**usic **A**nalytics **a**s a **S**ervice

サービスとしての音楽分析への第一歩

- Find hidden patterns behind data
- Analyse spotify data
- **Cestine Music Analytics** ([www.cestine.com](http://www.cestine.com))
  - Music Producing
  - Music Data & Analytics

Spotifyの音楽データを自分で分析したかったので、Cestine Music Analyticsを作成しました。

# Cestine Music Analytics

## Cestine 音樂分析

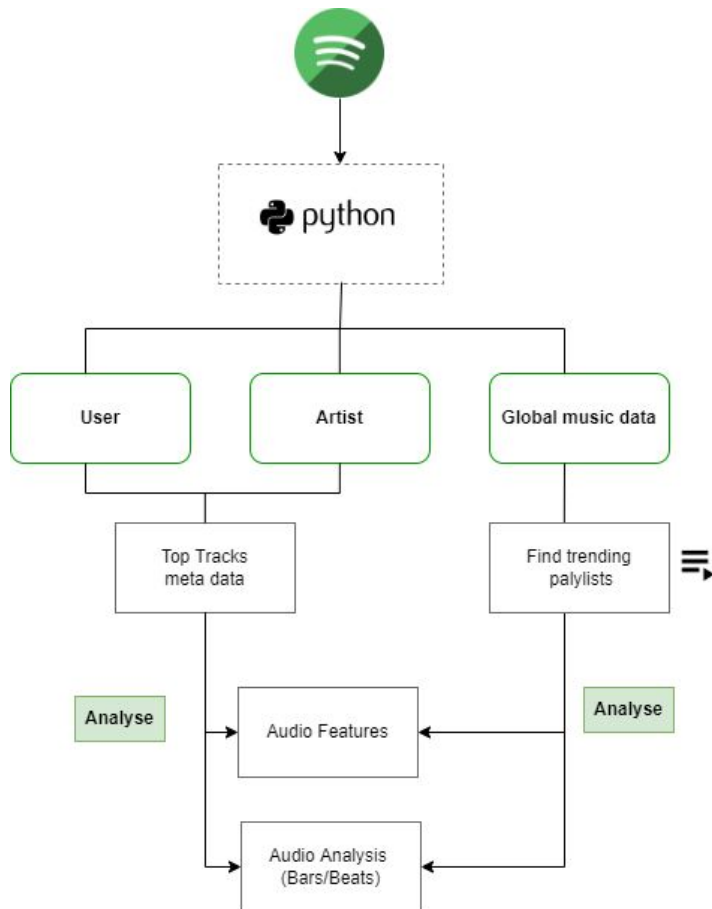


# Data Flow

## データフロー

Technology Stack:  
テクノロジースタック

- Spotify API
- Python
- *A Plan.*





# Audio Feature Extraction Sample

name	danceability	energy	key	loudness	mode	speechiness	acousticness	instrumentalness	liveness	valence	tempo	time_signature
Wrath of the Darth (Sad Vader Breathing The	0.426	0.423	7	-16.221	0	0.0688	0.743	0.00241	0.274	0.0688	82.223	1
Code-Fi (Lofi for 3am coders)	0.482	0.265	1	-13.389	1	0.0601	0.779	0.851	0.106	0.095	78.006	4
marlborough	0.866	0.463	5	-9.938	1	0.079	0.0672	0.9	0.0747	0.436	99.017	4
Sithivili	0.441	0.257	11	-12.904	1	0.0698	0.801	0.826	0.325	0.0954	75.925	4
Shruti	0.678	0.871	10	-4.769	0	0.0679	0.0293	0.704	0.114	0.202	145.027	4
Out Of Your Sight	0.912	0.267	1	-16.864	0	0.142	0.144	0.852	0.327	0.328	120.033	4
Mathakaya	0.467	0.191	1	-14.442	1	0.0399	0.815	0.876	0.096	0.0397	119.516	4
Who Are You	0.844	0.438	8	-15.567	0	0.206	0.275	0.141	0.166	0.789	94.984	4
Drive-Fi (Lofi for long drives)	0.785	0.451	1	-10.551	1	0.0315	0.401	0.0235	0.348	0.313	79.973	4
Farewell	0.781	0.26	11	-16.103	0	0.0585	0.735	0.886	0.129	0.114	125.028	4

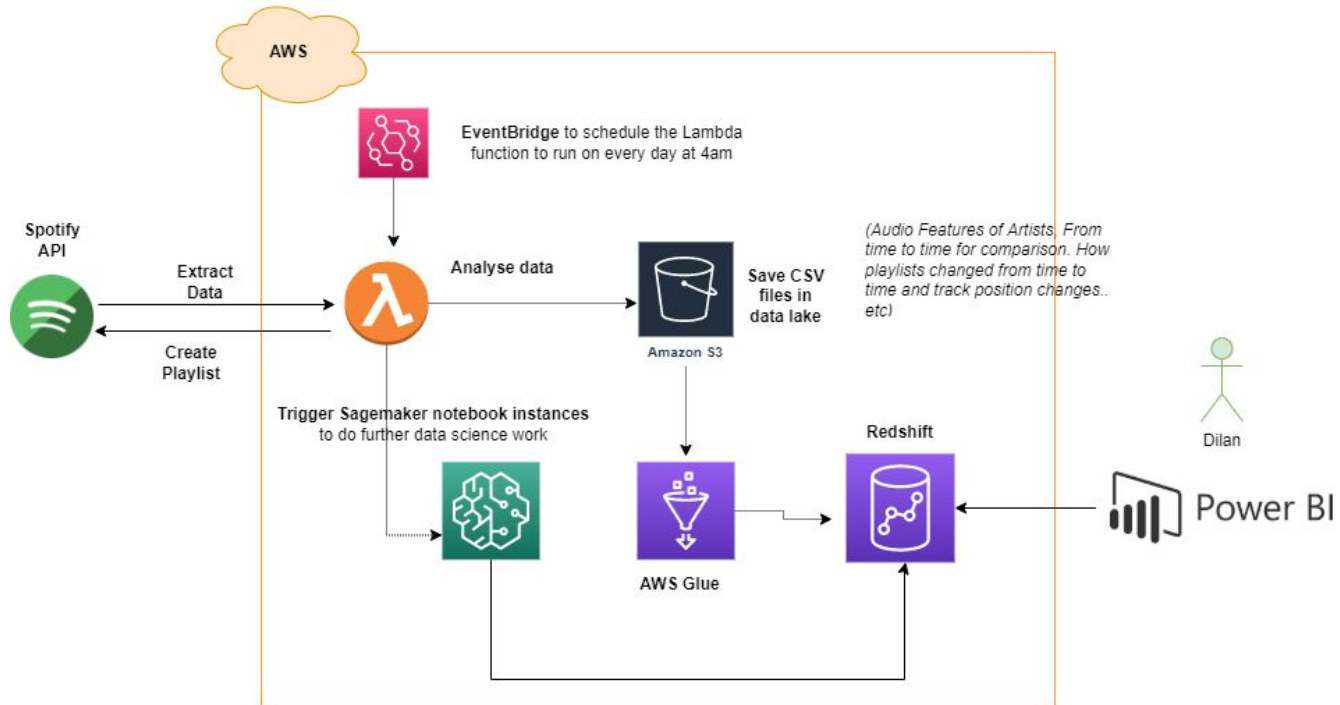
モバイルアプリまたはウェブバージョンで Spotifyを開き、Cestineを検索して、この表を振り返って比較できるようにします。

[Cestine](#)





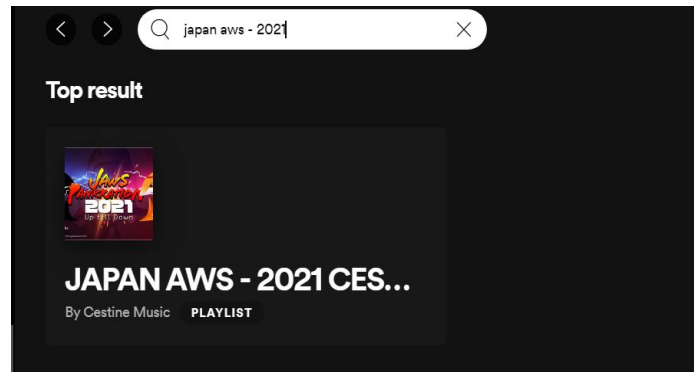
# AWS Architecture





# Want to Experience the Automation?

- Open Spotify
  - Search “**Japan AWS - 2021**” on Spotify
  - Click on the public playlist called “**JAPAN AWS - 2021 CESTINE**”
  - Click on the palylist
- can also access it via  
<https://open.spotify.com/playlist/6cuqp7DzxV1qlzUKTW3BmP?si=714d02307bb94257>



Spotifyを開き、上記のプレイリスト名を検索します。プレイリストの作成をリアルタイムで体験できます。

# Thank You!



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