

The Spotify Platform

WOW Hack Göteborg 2014

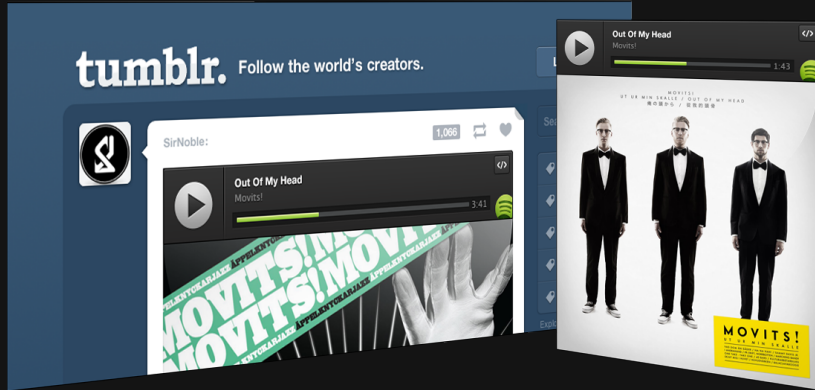
Per-Olov Jernberg @**possan**

@**SpotifyPlatform**

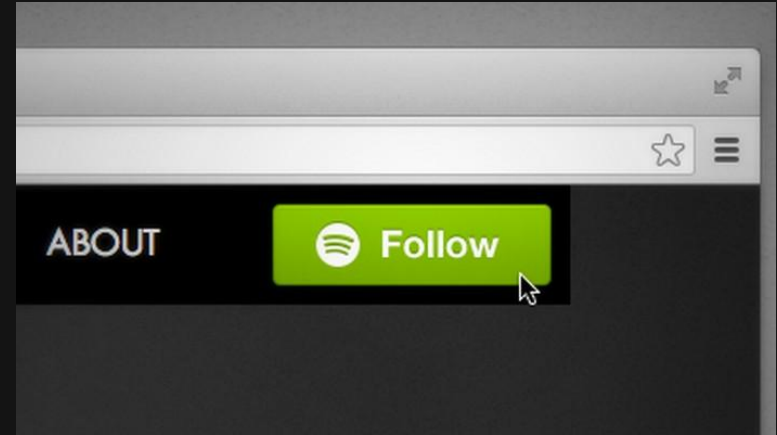


Spotify APIs, SDKs and Widgets

Spotify Widgets



Play Button



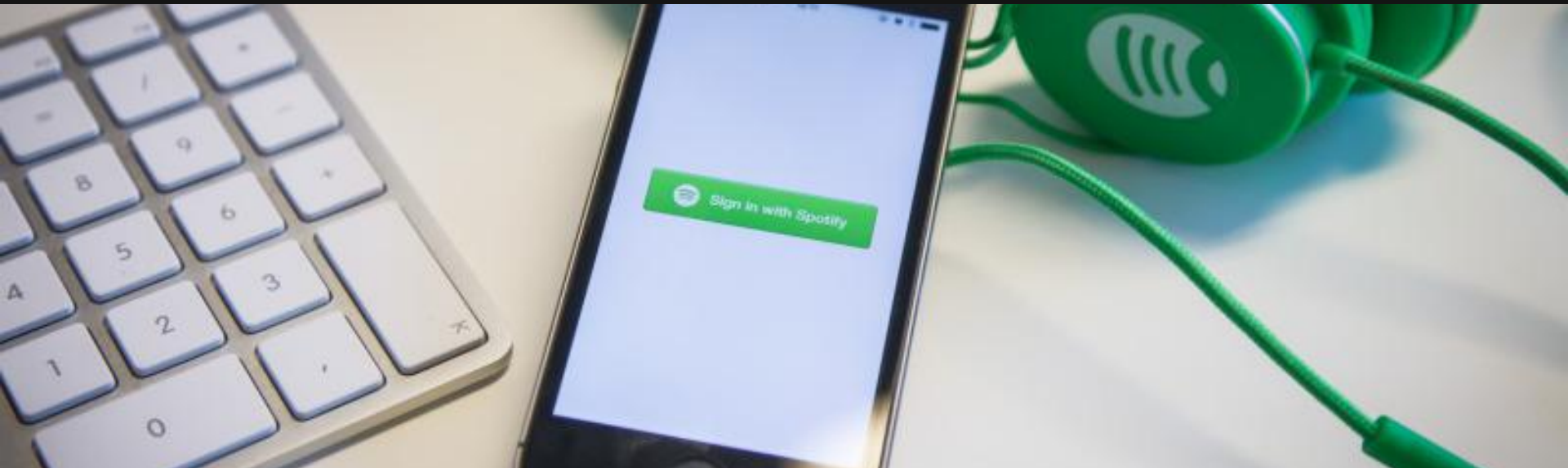
Follow Button

Libspotify



Embed Spotify in your application or hardware.

iOS SDK Beta



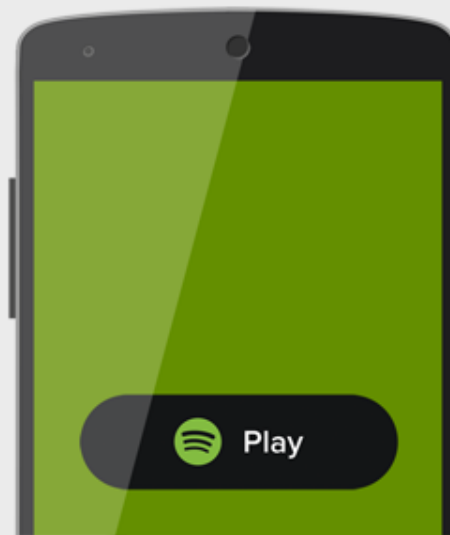
Lighter, better version of CocoaLibSpotify.
Enables authentication, playback, search, and playlisting.

Try it out

developer.spotify.com/technologies/spotify-ios-sdk

Give feedback via the project's GitHub Issues page.

Android SDK Beta



Built on the same stack as the new iOS SDK.
Enables authentication, playback, search, and playlisting.

Try it out

developer.spotify.com/technologies/spotify-android-sdk

Spotify Web API

Lookup + Search

Now with cover art and 30 second previews

```
https://api.spotify.com/v1/tracks/<track_id>  
    /albums/<album_id>  
    /artists/<artist_id>  
  
    /search?q=<query>&type=<type>
```

[Demo](#)

User's Info, Your Music, and Playlists

`https://api.spotify.com/v1/me`

`/users/<username>`

`/users/<username>/playlists`

`/users/<username>/playlists/<id>`

`/me/tracks`

`/me/tracks?ids={ids}`

[User Demo](#)

[Playlists Demo](#)

[Combined Demo](#)

Create New Playlists

```
https://api.spotify.com/v1/users/<username>/playlists  
    /users/<username>/playlists/<id>  
    /users/<username>/playlists/<id>/tracks
```

Try it out

developer.spotify.com/web-api



the echonest

Artist API

- Search
- Similar
- Familiarity
- Hottnesss
- Bios
- Blogs
- Terms
- News
- Reviews
- Images
- Video
- Location
- Suggest
- Extract

Artist API example

```
# Similar artists in two lines of code
for a in artist.similar(names=['lady gaga']):
    print a.name
```

```
Madonna
Christina Aguilera
Britney Spears
Kylie Minogue
Katy Perry
Scissor Sisters
Rihanna
Beyoncé
Ashley Tisdale
Livvi Franc
La Roux
Paris Hilton
She Wants Revenge
```


Song API

- Search
- Similar Songs
- Tempo
- Key & Mode
- Time Signature
- Beats
- Downbeats
- Segments
- Timbre
- Pitch
- Loudness
- Energy
- Danceability
- Speechiness

Song API example

Find the loudest songs by thrash artists

```
song/search?sort=loudness-desc&description=thrash
```

Find indie songs for jogging

```
song/search?min_tempo=120&style=indie&max_tempo=125
```

Find hottest songs by Lady Gaga

```
song/search?sort=hotttnesss-desc&artist=lady+gaga
```

Track Analysis & Remix API

Song I/O

- Upload to analyze tracks
- Render audio and video

Song search

- Search for songs

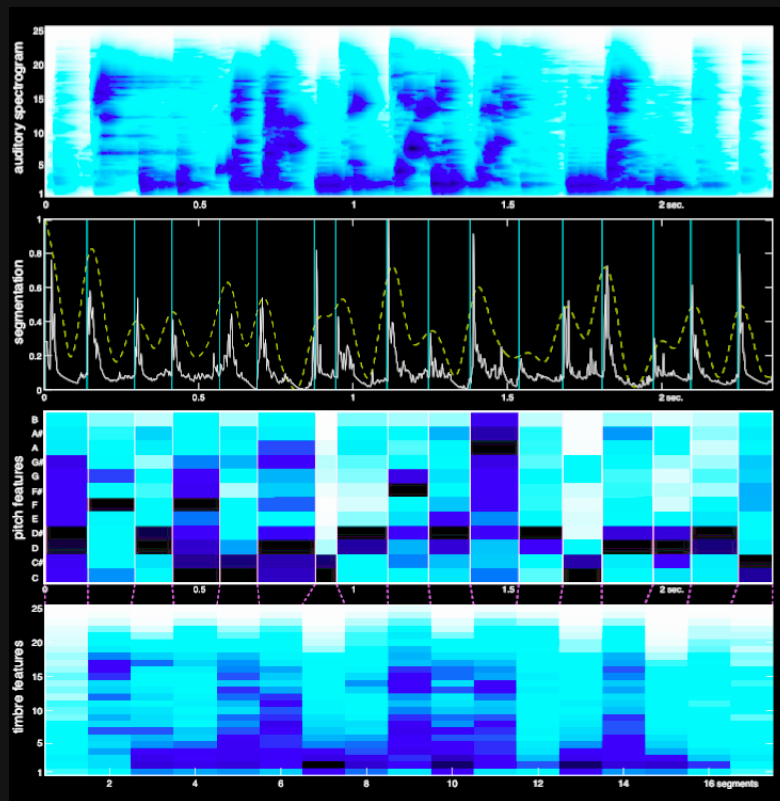
Song analysis

- Tempo, Key, Time Signature
- Section, Bars, Beats, Tatum

Segments

- Timbre, Pitch, Loudness

[Demo: Infinite Jukebox](#)



Even More APIs

- Taste Profiles for personalization
- Song identification
- Client libraries for popular platforms: Python, Java, Ruby, iOS, Android etc.

Try it out:

developer.echonest.com

github.com/echonest

Now it's your turn to play!
developer.spotify.com

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