Package ‘Rspotify’

October 12, 2022

Type Package
Title Access to Spotify API
Version 0.1.2
Author Tiago Mendes Dantas
Maintainer Tiago Mendes Dantas <t.mendesdantas@gmail.com>
Description Provides an interface to the Spotify API <https://developer.spotify.com/documentation/web-api/>.
License GPL-2
Encoding UTF-8
LazyData true
RoxygenNote 6.1.0
Imports dplyr, plyr, httr, jsonlite, magrittr
NeedsCompilation no
Repository CRAN
Date/Publication 2018-08-13 14:10:12 UTC

R topics documented:

getAlbum .................................................. 2
getAlbumInfo .......................................... 2
getAlbums ............................................... 3
getArtist ............................................... 3
getFeatures ........................................... 4
getPlaylists ........................................... 5
getPlaylistSongs ...................................... 5
getRelated ............................................. 6
getTopTracks ......................................... 6
getTrack ................................................ 7
getUser .................................................. 7
searchArtist .......................................... 8
searchPlaylist ....................................... 8
searchTrack ......................................... 9
spotifyOAuth ......................................... 9
getAlbum

Get the tracks from an Album

Description
Get Spotify catalog information about an album’s tracks.

Usage
getAlbum(album_id, token)

Arguments
- album_id: The Spotify ID for the album.
- token: An OAuth token created with spotifyOAuth.

Value
get Album from an artist using their ID

getAlbumInfo

Get additional album info

Description
function to get additional album info from an artist using the Album ID

Usage
getAlbumInfo(album_id, token)

Arguments
- album_id: The Spotify ID for the album.
- token: An OAuth token created with spotifyOAuth.

Value
Get an Artist’s Albums
getAlbums  

**Get albums from an Artist**

**Description**

Function to get albums from an artist using their ID

**Usage**

```r
getAlbums(artist_id, market = "US", token)
```

**Arguments**

- `artist_id` The Spotify ID for the artist.
- `market` Optional. An ISO 3166-1 alpha-2 country code. Supply this parameter to limit the response to one particular geographical market. For example, for albums available in Sweden: market=SE.
- `token` An OAuth token created with `spotifyOAuth`.

**Value**

'Get Albums from an Artist

**Examples**

```r
## Not run:

foofighters_albums<-getAlbums("7jy3rLJdDQY210gRLCZ9sD",market="US",token)

## End(Not run)
```

getArtist  

**Get Spotify catalog information for a single artist**

**Description**

Function to get Spotify catalog information for a single artist identified by their unique Spotify ID.

**Usage**

```r
getArtist(artist_id, token)
```
getFeatures

Arguments

- artist_id: The Spotify ID of the artist.
- token: An OAuth token created with `spotifyOAuth`.

Value

Get Spotify catalog information for a single artist identified by its unique Spotify ID.

Examples

```r
## Not run:

foofighters <- getArtist("7jy3rLJdDQY210gRLCZ9sD", token)

## End(Not run)
```

---

getFeatures

*Get audio feature information for a single track*

Description

Function to get audio feature information for a single track identified by its unique Spotify ID.

Usage

```r
getFeatures(track_id, token)
```

Arguments

- track_id: The Spotify ID for the track.
- token: An OAuth token created with `spotifyOAuth`.
**getPlaylists**

*Get the playlists of a specific user*

**Description**

Function to get info about the playlists of a specific user the user_id

**Usage**

getPlaylists(user_id, offset = 0, token)

**Arguments**

- **user_id**  
  User id
- **offset**  
  The index of the first playlist to return. Default: 0 (the first object). Maximum offset: 100.000.
- **token**  
  An OAuth token created with spotifyOAuth.

**Value**

get playlist from a specific user using a username

---

**getPlaylistSongs**

*Get the songs of a specific playlist*

**Description**

Function to get songs about a specific playlist

**Usage**

getPlaylistSongs(user_id, playlist_id, offset = 0, token)

**Arguments**

- **user_id**  
  User id
- **playlist_id**  
  Playlist id
- **offset**  
  The index of the first songs to return. Default: 0 (the first object). Maximum offset: 100.000.
- **token**  
  An OAuth token created with spotifyOAuth.
getRelated

Get Related artists

Description

function to get the related artists of an Artist

Usage

getRelated(artist_name, token)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>artist_name</td>
<td>Name of the artist (can use name or Spotify ID of the artist)</td>
</tr>
<tr>
<td>token</td>
<td>An OAuth token created with spotifyOAuth.</td>
</tr>
</tbody>
</table>

getTopTracks

Get top tracks of an Artist

Description

function to get top tracks of an Artist.

Usage

getTopTracks(artist_id, country, token)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>artist_id</td>
<td>Artist ID</td>
</tr>
<tr>
<td>country</td>
<td>Country of interest</td>
</tr>
<tr>
<td>token</td>
<td>An OAuth token created with spotifyOAuth.</td>
</tr>
</tbody>
</table>
**getTrack**  
*Get a Track*

**Description**
Get Spotify catalog information for a single track identified by its unique Spotify ID.

**Usage**
getTrack(track_id, token)

**Arguments**
- **track_id**: The Spotify ID for the track.
- **token**: An OAuth token created with `spotifyOAuth`.

---

**getUser**  
*Get basic information about an User*

**Description**
function to get User’s basic information

**Usage**
getUser(user_id, token)

**Arguments**
- **user_id**: user id
- **token**: An OAuth token created with `spotifyOAuth`.

**Examples**

```r
## Not run:

my_oauth <- spotifyOAuth(app_id="xxxx",client_id="yyyy",client_secret="zzzz")
save(my_oauth, file="my_oauth")
load("my_oauth")
tiago <- getUser(user_id="t.mendesdantas",token=my_oauth)

## End(Not run)
```
searchArtist

*Search for a specific artist*

**Description**

function to get basic info about a searched artist

**Usage**

```r
searchArtist(artist_name, token)
```

**Arguments**

- `artist_name`  Name of the artist
- `token`  An OAuth token created with `spotifyOAuth`.

**Examples**

```r
## Not run:
my_oauth <- spotifyOAuth(app_id="xxxx",client_id="yyyy",client_secret="zzzz")
save(my_oauth, file="my_oauth")
load("my_oauth")
foofighters <- searchArtist("Foo+fighters",token=my_oauth)
## End(Not run)
```

searchPlaylist

*Search for playlists*

**Description**

function to search for playlists given a name

**Usage**

```r
searchPlaylist(playlistName, offset = 0, token = token)
```

**Arguments**

- `playlistName`  Name of the playlist being searched for
- `offset`  The index of the first Playlist to return. Default: 0 (the first object). Maximum offset: 100.000.
- `token`  An OAuth token created with `spotifyOAuth`.
searchTrack

Search for a specific Track function to get basic info about a searched track

Description

Search for a specific Track function to get basic info about a searched track

Usage

searchTrack(track, token)

Arguments

track Name of the track
token An OAuth token created with spotifyOAuth.

Examples

## Not run:

```r
my_oauth <- spotifyOAuth(app_id="xxxx", client_id="yyyy", client_secret="zzzz")
save(my_oauth, file="my_oauth")
load("my_oauth")
track <- searchTrack("generator", token=my_oauth)
## End(Not run)
```

spotifyOAuth

Create OAuth token to access Spotify web API

Description

spotifyOAuth creates a long-lived OAuth access token that enables R to make authenticated calls to the Spotify API. The token can be saved as a file in disk to be re-used in future sessions. This function relies on the httr package to create the OAuth token

Usage

spotifyOAuth(app_id, client_id, client_secret)
Arguments

app_id | App ID (this is an internal identification for token if you wish to save authorization)
client_id | Client ID
client_secret | Client Secret

Examples

```r
## Not run:

my_oauth <- spotifyOAuth(app_id="xxxx", client_id="yyyy", client_secret="zzzz")
save(my_oauth, file="my_oauth")
load("my_oauth")
tiago <- getUser(user_id="t.mendesdantas", token=my_oauth)

## End(Not run)
```
Index

getAlbum, 2
getAlbumInfo, 2
getAlbums, 3
getArtist, 3
getFeatures, 4
getPlaylists, 5
getPlaylistSongs, 5
getRelated, 6
getTopTracks, 6
getTrack, 7
getUser, 7

searchArtist, 8
searchPlaylist, 8
searchTrack, 9
spotifyOAuth, 9