# Package ‘Rspotify’

August 13, 2018

**Type** Package  
**Title** Access to Spotify API  
**Version** 0.1.2  
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**Description** Provides an interface to the Spotify API <https://developer.spotify.com/documentation/web-api/>.

**License** GPL-2  
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**Repository** CRAN  
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**R topics documented:**

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getAlbum

Get the tracks from an Album

Description

Get Spotify catalog information about an album’s tracks.

Usage

getAlbum(album_id, token)

Arguments

<table>
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<th>album_id</th>
<th>The Spotify ID for the album.</th>
</tr>
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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

<table>
<thead>
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<th>album_id</th>
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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("7jy3rLJDQY21OgRLCZ9sD",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**

- artist_name: Name of the artist (can use name or Spotify ID of the artist)
- token: An OAuth token created with spotifyOAuth.

getTopTracks  

**Get top tracks of an Artist**

**Description**

function to get top tracks of an Artist.

**Usage**

getTopTracks(artist_id, country, token)

**Arguments**

- artist_id: Artist ID
- country: Country of interest
- token: An OAuth token created with spotifyOAuth.
getTrack  

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  

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:

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)
```
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