

# 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

**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

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getAlbum	<i>Get the tracks from an Album</i>
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**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

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getAlbumInfo	<i>Get additional album info</i>
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**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	<i>Get albums from an Artist</i>
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**Description**

function to get albums from an artist using their ID

**Usage**

```
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**

```
## Not run:  
  
foofighters_albums<-getAlbums("7jy3rLJdDQY210gRLCZ9sD",market="US",token)  
  
## End(Not run)
```

---

getArtist	<i>Get Spotify catalog information for a single artist</i>
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**Description**

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

**Usage**

```
getArtist(artist_id, token)
```

**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**

```
## Not run:  
  
foofighters<-getArtist("7jy3rLJdDQY210gRLCZ9sD", token)  
  
## End(Not run)
```

---

getFeatures	<i>Get audio feature information for a single track</i>
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**Description**

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

**Usage**

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

**Arguments**

track\_id      The Spotify ID for the track.  
token          An OAuth token created with spotifyOAuth.

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getPlaylists                      *Get the playlists of a specific user*

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**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.

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getRelated	<i>Get Related artists</i>
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**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	<i>Get top tracks of an Artist</i>
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**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.

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getTrack	<i>Get a Track</i>
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**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 <code>spotifyOAuth</code> .

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getUser	<i>Get basic information about an User</i>
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**Description**

function to get User's basic information

**Usage**

```
getUser(user_id, token)
```

**Arguments**

user_id	user id
token	An OAuth token created with <code>spotifyOAuth</code> .

**Examples**

```
## 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**

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

**Arguments**

artist_name	Name of the artist
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")  
foofighters <- searchArtist("Foo+fighters",token=my_oauth)  
  
## End(Not run)
```

---

searchPlaylist                    *Search for playlists*

---

**Description**

function to search for playlists given a name

**Usage**

```
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.



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searchTrack	<i>Search for a specific Track function to get basic info about a searched track</i>
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**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)
```

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spotifyOAuth	<i>Create OAuth token to access Spotify web API</i>
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**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**

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

**Examples**

```
## 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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