

# Package ‘Rspotify’

May 7, 2026

**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

## Contents

|                            |   |
|----------------------------|---|
| 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 |

**Index****11**

---

|          |                                     |
|----------|-------------------------------------|
| getAlbum | <i>Get the tracks from an Album</i> |
|----------|-------------------------------------|

---

**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 | <i>Get additional album info</i> |
|--------------|----------------------------------|

---

**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> |
|-----------|----------------------------------|

---

**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> |
|-----------|--|

---

**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> |
|-------------|---|

---

**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.

---

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 | <i>Get Related artists</i> |
|------------|----------------------------|

---

**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> |
|--------------|------------------------------------|

---

**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 | <i>Get a Track</i> |
|----------|--------------------|

---

**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> . |

---

|         |  |
|---------|--|
| getUser | <i>Get basic information about an User</i> |
|---------|--|

---

**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 | <i>Search for a specific artist</i> |
|--------------|-------------------------------------|

---

**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 | <i>Search for playlists</i> |
|----------------|-----------------------------|

---

**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.  |

---

|             |  |
|-------------|--|
| searchTrack | <i>Search for a specific Track function to get basic info about a searched track</i> |
|-------------|--|

---

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

---

**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)
```

# 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