Package: spotidy (via r-universe)

September 8, 2024

Title Providing Convenience Functions to Connect R with the Spotify
API

Version 0.1.0

Author Lennard van Wanrooij

Maintainer Lennard van Wanrooij <lennardvanwanrooij@gmail.com>

Description Providing convenience functions to connect R with the
'Spotify' application programming interface ('API'). At first
it aims to help setting up the OAuth2.0 Authentication flow.
The default output of the get_*() functions is tidy, but
optionally the functions could return the raw response from the
'API' as well. The search_*() and get_*() functions can be
combined. See the vignette for more information and examples
and the official Spotify for Developers website
<https://developer.spotify.com/documentation/web-api/> for
information about the Web 'API'.

License MIT + file LICENSE

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

Imports magrittr, dplyr, purrr, httr

Suggests knitr, rmarkdown

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2021-03-16 15:30:02 UTC

Contents

---

get_album   *Gets an album*

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/albums/{id}/

Usage

```
get_album(
  album_id,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

album_id	Required. Get Spotify Catalog information for this album_id.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set
to raw, it returns the raw output from the request.

---

get_albums   *Gets multiple albums*

Description

Connects with the Spotify API and returns output from the href [https://api.spotify.com/v1/](https://api.spotify.com/v1/albums/)
[albums/](https://api.spotify.com/v1/albums/)

Usage

```
get_albums(
  album_ids,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

album_ids   Required. Expects a comma-separated character string of album_ids. Get Spo-
                   tify Catalog information for these album_ids.

output   Type of output to return from the request. Default: tidy.

limit   Maximum number of results to return. Should be between 1 and 50. Default:
                   20.

offset   The index of the first result to return. Default: 0.

token   A valid access token from the Spotify Accounts service: see [https://developer.](https://developer.spotify.com/documentation/general/guides/authorization-guide/)
                   [spotify.com/documentation/general/guides/authorization-guide/](https://developer.spotify.com/documentation/general/guides/authorization-guide/) for
                   details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set
to raw, it returns the raw output from the request.

---

get_album_tracks   *Gets tracks from an album*

Description

Connects with the Spotify API and returns output from the href [https://api.spotify.com/v1/](https://api.spotify.com/v1/albums{id}/tracks/)
[albums{id}/tracks/](https://api.spotify.com/v1/albums{id}/tracks/)

Usage

```
get_album_tracks(
  album_id,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

album_id	Required. Get Spotify Catalog information for the tracks of this album_id.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see [https://developer.](https://developer.spotify.com/documentation/general/guides/authorization-guide/) [spotify.com/documentation/general/guides/authorization-guide/](https://developer.spotify.com/documentation/general/guides/authorization-guide/) for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

get_artist   *Gets an artist*

Description

Connects with the Spotify API and returns output from the href [https://api.spotify.com/v1/](https://api.spotify.com/v1/artists/{id}/)
[artists/{id}/](https://api.spotify.com/v1/artists/{id}/)

Usage

```
get_artist(
  artist_id,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

`artist_id`	Required. Get Spotify Catalog information for this artist_id.
`output`	Type of output to return from the request. Default: tidy.
`limit`	Maximum number of results to return. Should be between 1 and 50. Default: 20.
`offset`	The index of the first result to return. Default: 0.
`token`	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

get_artists	*Gets multiple artists*

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/artists/

Usage

```
get_artists(
  artist_ids,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

`artist_ids`	Required. Expects a comma-separated character string of artist_ids. Get Spotify Catalog information for these artist_ids.
`output`	Type of output to return from the request. Default: tidy.
`limit`	Maximum number of results to return. Should be between 1 and 50. Default: 20.
`offset`	The index of the first result to return. Default: 0.
`token`	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

`get_artist_albums`	*Gets albums from an artist*

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/artists/{id}/albums/

Usage

```
get_artist_albums(
  artist_id,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

`artist_id`	Required. Get Spotify Catalog information for the albums of this artist_id.
`output`	Type of output to return from the request. Default: tidy.
`limit`	Maximum number of results to return. Should be between 1 and 50. Default: 20.
`offset`	The index of the first result to return. Default: 0..
`token`	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

get_artist_related_artists

Gets related artists from an artist

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/artists/{id}/related-artists/

Usage

```
get_artist_related_artists(
  artist_id,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

artist_id	Required. Get Spotify Catalog information for the related artists of this artist_id.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

get_artist_top_tracks   *Gets top tracks from an artist*

Description

Connects with the Spotify API and returns output from the href [https://api.spotify.com/v1/](https://api.spotify.com/v1/artists/{id}/top-tracks/)
[artists/{id}/top-tracks/](https://api.spotify.com/v1/artists/{id}/top-tracks/)

Usage

```
get_artist_top_tracks(
  artist_id,
  country,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

`artist_id`	Required. Get Spotify Catalog information for the top tracks of this artist_id in the given country.
`country`	Required. ISO-code of country.
`output`	Type of output to return from the request. Default: tidy.
`limit`	Maximum number of results to return. Should be between 1 and 50. Default: 20.
`offset`	The index of the first result to return. Default: 0.20.
`token`	A valid access token from the Spotify Accounts service: see [https://developer.](https://developer.spotify.com/documentation/general/guides/authorization-guide/)[spotify.com/documentation/general/guides/authorization-guide/](https://developer.spotify.com/documentation/general/guides/authorization-guide/) for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set
to raw, it returns the raw output from the request.

`get_spotify_api_token` *Gets a Spotify API token*

Description

Gets an OAuth2.0 token to connect with the Spotify API.

Usage

```
get_spotify_api_token(client_id, client_secret)
```

Arguments

client_id   Your client id. Required.

client_secret   Your client secret. Required.

Value

In case the request succeeded, a token to connect with the Spotify API. On failure, a message indicating that authentication failed.

See Also

The vignette Connecting-with-the-Spotify-API

`get_track`   *Gets a track*

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/tracks/{id}/

Usage

```
get_track(
  track_id,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

track_id	Required. Get Spotify Catalog information for this track_id.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

get_tracks   *Gets multiple tracks*

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/tracks/

Usage

```
get_tracks(
  track_ids,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

track_ids	Required. Get Spotify Catalog information for these track_ids.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

get_tracks_audio_features

Gets audio features of multiple tracks

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/audio-features/

Usage

```
get_tracks_audio_features(
  track_ids,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

track_ids	Required. Expects a comma-separated character string of track_ids. Get Spotify Catalog information for these track_ids.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

get_track_audio_features

Gets audio features of a single track

Description

Connects with the Spotify API and returns output from the href [https://api.spotify.com/v1/](https://api.spotify.com/v1/audio-features/{id}/)
[audio-features/{id}/](https://api.spotify.com/v1/audio-features/{id}/)

Usage

```
get_track_audio_features(
  track_id,
  output = c("tidy", "raw"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

track_id	Required. Expects a single track_id. Get Spotify Catalog information for this track_id.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see [https://developer.](https://developer.spotify.com/documentation/general/guides/authorization-guide/) [spotify.com/documentation/general/guides/authorization-guide/](https://developer.spotify.com/documentation/general/guides/authorization-guide/) for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request.

---

search_albums   *Search albums based on given input*

Description

Connects with the Spotify API and returns output from the href [https://api.spotify.com/v1/](https://api.spotify.com/v1/search/)
[search/](https://api.spotify.com/v1/search/)

Usage

```
search_albums(
  album_name,
  output = c("tidy", "raw", "id"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

album_name   Required. Get Spotify Catalog information about albums that match this input.

output   Type of output to return from the request. Default: tidy.

limit   Maximum number of results to return. Should be between 1 and 50. Default: 20.

offset   The index of the first result to return. Default: 0.

token   A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request, or When output is set to id, it returns only the id.

---

search_artists   *Search artists based on given input*

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/search/

Usage

```
search_artists(
  artist_name,
  output = c("tidy", "raw", "id"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

artist_name	Required. Get Spotify Catalog information about artists that match this input.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.
token	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request, or When output is set to id, it returns only the id.

---

search_tracks   *Search tracks based on given input*

Description

Connects with the Spotify API and returns output from the href https://api.spotify.com/v1/search/

Usage

```
search_tracks(
  track_name,
  output = c("tidy", "raw", "id"),
  limit = 20,
  offset = 0,
  token = my_token
)
```

Arguments

track_name	Required. Get Spotify Catalog information about tracks that match this input.
output	Type of output to return from the request. Default: tidy.
limit	Maximum number of results to return. Should be between 1 and 50. Default: 20.
offset	The index of the first result to return. Default: 0.0.
token	A valid access token from the Spotify Accounts service: see https://developer.spotify.com/documentation/general/guides/authorization-guide/ for details. Default: my_token.

Value

Default: returns a tidy dataframe with a selection of the response. Alternatively, when output is set to raw, it returns the raw output from the request, or When output is set to id, it returns only the id.

Index