

# Package ‘geniusr’

January 20, 2019

**Title** Tools for Working with the 'Genius' API

**Version** 1.1.0

**Description** Provides tools to interact nicely with the 'Genius' API <<https://docs.genius.com/>>. Search hosted content, extract different types of associated metadata and retrieve lyrics with ease.

**URL** <https://github.com/ewenme/geniusr>

**BugReports** <https://github.com/ewenme/geniusr/issues>

**Depends** R (>= 3.2.0)

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** yes

**RoxygenNote** 6.1.1

**Imports** httr, purrr, tibble, rvest, stringr, xml2, curl, attempt

**NeedsCompilation** no

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**Repository** CRAN

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**Description**

An interface to Genius' Web API.

**Details**

See the README on [GitHub](#)

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genius_token	Get or set <i>GENIUS_API_TOKEN</i> value
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**Description**

The API wrapper functions in this package all rely on a Genius client access token residing in the environment variable `GENIUS_API_TOKEN`. The easiest way to accomplish this is to set it in the ``.Renviro`n' file in your home directory.

**Usage**

```
genius_token(force = FALSE)
```

**Arguments**

force	force setting a new Genius API token for the current environment?
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**Value**

atomic character vector containing the Genius API token

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get_album_meta	<i>Retrieve meta data for an album</i>
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**Description**

The Genius API lets you search for an album's meta data, given an album ID.

**Usage**

```
get_album_meta(album_id, access_token = genius_token())
```

**Arguments**

album_id	An album ID (album_id returned in <a href="#">get_song_meta</a> )
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:  
get_album_meta(album_id = 337082)  
  
## End(Not run)
```

---

get_artist_meta	<i>Retrieve meta data for an artist</i>
-----------------	---

---

**Description**

The Genius API lets you search for meta data for an artist, given an artist ID.

**Usage**

```
get_artist_meta(artist_id, access_token = genius_token())
```

**Arguments**

artist_id	An artist ID (artist_id returned in <a href="#">search_artist</a> )
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:  
get_artist_meta(artist_id = 16751)  
  
## End(Not run)
```

---

get_artist_songs	<i>Retrieve meta data for all of an artist's appearances on Genius</i>
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### Description

Return meta data for all appearances (features optional) of an artist on Genius.

### Usage

```
get_artist_songs(artist_id, include_features = FALSE,  
                 access_token = genius_token())
```

### Arguments

artist_id	An artist ID (artist_id returned in <a href="#">search_artist</a> )
include_features	Whether to return results where artist isn't the primary artist (logical, defaults to FALSE)
access_token	Genius' client access token, defaults to genius_token

### Examples

```
## Not run:  
get_artist_songs(artist_id = 1421)  
  
## End(Not run)
```

---

get_song_meta	<i>Retrieve meta data for a song</i>
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---

### Description

The Genius API lets you search for meta data for a song, given a song ID.

### Usage

```
get_song_meta(song_id, access_token = genius_token())
```

### Arguments

song_id	A song ID (song_id returned in <a href="#">search_song</a> )
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:  
get_song_meta(song_id = 3039923)  
  
## End(Not run)
```

---

scrape_lyrics_id	<i>Retrieve lyrics associated with a Genius song ID</i>
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---

**Description**

Scrape lyrics from Genius' lyric pages using an associated song ID.

**Usage**

```
scrape_lyrics_id(song_id, access_token = genius_token())
```

**Arguments**

song_id	song ID (like in song_id returned by <a href="#">search_song</a> )
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:  
scrape_lyrics_id(song_id = 3214267)  
  
## End(Not run)
```

---

scrape_lyrics_url	<i>Retrieve lyrics associated with a Genius lyrics page URL</i>
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**Description**

Scrape lyrics from a Genius' lyric page using it's associated URL. Best used with [scrape\\_tracklist](#), when song IDs aren't returned - otherwise, [scrape\\_lyrics\\_id](#) is recommended.

**Usage**

```
scrape_lyrics_url(song_lyrics_url, access_token = genius_token())
```

**Arguments**

song_lyrics_url	song lyrics url (like in song_lyrics_url returned by <a href="#">get_song_meta</a> )
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:
scrape_lyrics_url(song_lyrics_url = "https://genius.com/Kendrick-lamar-dna-lyrics")

## End(Not run)
```

---

scrape_tracklist	<i>Retrieve an album's tracklisting</i>
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---

**Description**

Scrape an album's tracklisting, and song meta data, given an album ID.

**Usage**

```
scrape_tracklist(album_id, access_token = genius_token())
```

**Arguments**

album_id	An album ID (album_id returned in <a href="#">get_song_meta</a> )
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:
scrape_tracklist(album_id = 337082)

## End(Not run)
```

---

search_artist	<i>Retrieve artist identifiers for associated search terms</i>
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---

**Description**

The Genius API lets you search hosted content (all songs). Use search\_artist to return artist\_id, artist\_name and artist\_url for all unique artist matches to a search.

**Usage**

```
search_artist(search_term, n_results = 10,
              access_token = genius_token())
```

**Arguments**

search_term	A character string to search for artist matches
n_results	Maximum no. of search results to return (this is the number of hosted content search results, unique artist matches will be smaller)
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:
search_artist(search_term = "Lil")

## End(Not run)
```

---

search_song	<i>Retrieve song identifiers for associated search terms</i>
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---

**Description**

The Genius API lets you search hosted content (all songs). Use search\_song to return song\_id, song\_name, lyrics\_url and artist\_id for all unique song matches to a search.

**Usage**

```
search_song(search_term, n_results = 10, access_token = genius_token())
```

**Arguments**

search_term	A character string to search for song matches
n_results	Maximum no. of search results to return
access_token	Genius' client access token, defaults to genius_token

**Examples**

```
## Not run:
search_song(search_term = "Gucci", n_results=50)

## End(Not run)
```

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