

Package ‘RGoogleFit’

February 15, 2020

Type Package

Title R Interface to Google Fit API

Version 0.4.0

Author Marcin Szymanski

Maintainer Marcin Szymanski <ms32035@gmail.com>

Description Provides interface to Google Fit REST API v1 (see <<https://developers.google.com/fit/rest/v1/reference/>>).

License MIT + file LICENSE

LazyData TRUE

Depends R (>= 3.0), RCurl, jsonlite, bit64, httr

Imports utils

RoxygenNote 7.0.2

NeedsCompilation no

Repository CRAN

Date/Publication 2020-02-15 21:30:06 UTC

R topics documented:

RGoogleFit-package	2
GetFitDataset	2
GetFitDatasource	2
GetFitDatasources	3
GetFitOAuth2Object	3
GetFitOAuth2Token	3
NanosToPOSIXct	4
Index	5

RGoogleFit-package *R Interface To Google Fit API*

Description

Provides interface to Google Fit REST API v1 (see <<https://developers.google.com/fit/rest/v1/reference/>>).
Sources available at <https://github.com/ms32035/RGoogleFit>

GetFitDataset *GetFitDataset*

Description

Retrieves a dataset for a given datasource and time range defined by startTime and endTime. Refer to <https://developers.google.com/fit/rest/v1/datasets> for full documentation.

Usage

```
GetFitDataset(token, datasource, startTime, endTime)
```

Arguments

token	- OAuth 2.0 access token
datasource	- Data Stream ID
startTime	- Start time for dataset. Date datatype is required
endTime	- End time for dataset. Date datatype is required

GetFitDatasource *GetFitDatasource*

Description

Returns a list with datasource attributes. Refer to <https://developers.google.com/fit/rest/v1/data-types> for full documentation.

Usage

```
GetFitDatasource(token, datasource)
```

Arguments

token	- OAuth 2.0 access token
datasource	- Data Stream ID

GetFitDatasources *GetFitDatasources*

Description

GetFitDatasources returns a dataframe with user's datasources.

Usage

```
GetFitDatasources(token)
```

Arguments

token - OAuth 2.0 access token

GetFitOauth2Object *GetFitOauth2Object*

Description

Returns the whole Oauth2 object. Useful for debugging purposes.

Usage

```
GetFitOauth2Object()
```

GetFitOauth2Token *GetFitOauth2Token*

Description

Retrieves or refreshes an OAuth2 token. Two options must be set:

- RGoogleFit.client_id
- RGoogleFit.client_secret

Usage

```
GetFitOauth2Token()
```

NanosToPOSIXct

NanosToPOSIXct

Description

Converts nanoseconds from epoch (as provided by Google Fit) to POSIXct

Usage

NanosToPOSIXct(nanos)

Arguments

nanos - Nanoseconds from epoch

Examples

NanosToPOSIXct(1388534400000000000)

Index

[GetFitDataset](#), 2
[GetFitDatasource](#), 2
[GetFitDatasources](#), 3
[GetFitOauth2Object](#), 3
[GetFitOauth2Token](#), 3

[NanosToPOSIXct](#), 4

[RGoogleFit-package](#), 2