

Package ‘RGoogleFit’

July 21, 2025

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

Contents

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

RGoogleFit-package	<i>R Interface To Google Fit API</i>
--------------------	--------------------------------------

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	<i>GetFitDataset</i>
---------------	----------------------

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

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

GetFitDatasource	<i>GetFitDatasource</i>
------------------	-------------------------

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

<code>token</code>	- OAuth 2.0 access token
<code>datasource</code>	- Data Stream ID

GetFitDatasources	<i>GetFitDatasources</i>
-------------------	--------------------------

Description

GetFitDatasources returns a dataframe with user's datasources.

Usage

```
GetFitDatasources(token)
```

Arguments

token - OAuth 2.0 access token

GetFitOauth2Object	<i>GetFitOauth2Object</i>
--------------------	---------------------------

Description

Returns the whole Oauth2 object. Useful for debugging purposes.

Usage

```
GetFitOauth2Object()
```

GetFitOauth2Token	<i>GetFitOauth2Token</i>
-------------------	--------------------------

Description

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

- RGoogleFit.client_id
- RGoogleFit.client_secret

Usage

```
GetFitOauth2Token()
```

NanosToPOSIXct	<i>NanosToPOSIXct</i>
----------------	-----------------------

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](#)