

Package ‘togglr’

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Type Package

Title 'Toggl.com' Api for 'Rstudio'

Version 0.2.1

Description Use the <<https://toggl.com>> time tracker api through R.

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URL <https://github.com/ThinkR-open/togglr>

BugReports <https://github.com/ThinkR-open/togglr/issues>

Imports assertthat, cachem, dplyr, getPass, glue, httr, jsonlite,
keyring, lubridate, magrittr, memoise, parsedate, prettyunits,
purrr, rappdirs, rstudioapi, stats, utils

Suggests knitr, rmarkdown

VignetteBuilder knitr

ByteCompile true

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togglr-package	<i>This package allow user to track time spend on R using the toggl.com timesheet</i>
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Description

toggl.com API

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ask_toggl_api_token *ask_toggl_api_token*

Description

ask for the toggle api token

Usage

ask_toggl_api_token(msg = "toggl api token")

Arguments

msg the message

client_id_to_name *client_id_to_name*

Description

return client name from client id

Usage

client_id_to_name(id, api_token = get_toggl_api_token())

Arguments

id client id
api_token the toggl api token

Value

the client name

client_name_to_id *client_name_to_id*

Description

return client id from client name

Usage

```
client_name_to_id(name, api_token = get_toggl_api_token())
```

Arguments

name	client name
api_token	the toggl api token

Value

the client id

correct_date *correct_date*

Description

tricks to obtain iso 8601

Usage

```
correct_date(time)
```

Arguments

time	a POSIXt
------	----------

Value

time in iso 8601

create_client	<i>create_client</i>
---------------	----------------------

Description

create a client

Usage

```
create_client(  
  name = "wihtout client",  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token)  
)
```

Arguments

name	client name
api_token	the toggl api token
workspace_id	workspace id

Examples

```
## Not run:  
get_toggl_api_token()# set your api token here  
create_client("new client")  
  
## End(Not run)
```

delete_toggl_api_token	<i>delete_toggl_api_token</i>
------------------------	-------------------------------

Description

delete the toggle api token

Usage

```
delete_toggl_api_token()
```

`get_all_client_info` *get_all_client_info*

Description

`get_all_client_info`

Usage

```
get_all_client_info(  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token)  
)
```

Arguments

`api_token` the toggl api token
`workspace_id` `workspace_id`

Value

a `data.frame`

Examples

```
## Not run:  
get_all_client_info()  
  
## End(Not run)
```

`get_all_client_names` *get all client's name*

Description

get all client's name

Usage

```
get_all_client_names(  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(),  
  since = Sys.Date() - lubridate::years(1),  
  until = Sys.Date()  
)
```

Arguments

<code>api_token</code>	the toggl api token
<code>workspace_id</code>	the workspace id
<code>since</code>	a date
<code>until</code>	a date

`get_all_project_names` *Get all project's names*

Description

Get all project's names

Usage

```
get_all_project_names(  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token),  
  since = Sys.Date() - lubridate::years(1),  
  until = Sys.Date()  
)
```

Arguments

<code>api_token</code>	the toggl api token
<code>workspace_id</code>	the workspace id
<code>since</code>	a date
<code>until</code>	a date

`get_client_project` *get_client_project*

Description

`get_client_project`

Usage

```
get_client_project(  
  id,  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token)  
)
```

Arguments

id	client id
api_token	the toggl api token
workspace_id	workspace_id

Value

the client name

get_context	<i>get_context</i>
-------------	--------------------

Description

retrieve Rstudio projet if possible

Usage

get_context()

get_context_project	<i>get_context_projet</i>
---------------------	---------------------------

Description

retrieve Rstudio projet if possible

Usage

get_context_project()

get_current	<i>get_current</i>
-------------	--------------------

Description

retrieve current projet id

Usage

get_current(api_token = get_toggl_api_token())

Arguments

api_token	the toggl api token
-----------	---------------------

`get_current_duration` *get current duration*

Description

get current duration

Usage

```
get_current_duration(api_token = get_toggl_api_token())
```

Arguments

`api_token` the Token API

Value

a difftime

Examples

```
## Not run:  
get_current_duration()  
  
## End(Not run)
```

`get_current_project_task_detail`
get all task from a project

Description

get all task from a project

Usage

```
get_current_project_task_detail(  
  project_name = get_context_project(),  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(),  
  since = Sys.Date() - lubridate::years(1),  
  until = Sys.Date(),  
  humain = TRUE  
)
```

Arguments

project_name	project name
api_token	the toggl api token
workspace_id	the workspace id
since	a date
until	a date
humain	boolean humain readable time

get_dashboard	<i>get all data from <https://toggl.com></i>
---------------	--

Description

get all data from <https://toggl.com>

Usage

```
get_dashboard(
  api_token = get_toggl_api_token(),
  workspace_id = get_workspace_id(api_token),
  since = Sys.Date() - lubridate::years(1),
  until = Sys.Date()
)
```

Arguments

api_token	the toggl api token
workspace_id	the workspace id
since	begin date
until	stop date

get_detailed_report_paged	<i>get detailed report</i>
---------------------------	----------------------------

Description

get detailed report by user then projet

Usage

```

get_detailed_report_paged(
  api_token = get_toggl_api_token(),
  workspace_id = get_workspace_id(api_token),
  since = Sys.Date() - lubridate::years(3),
  until = Sys.Date() + lubridate::days(1),
  page = 1,
  user_agent = "togglr"
)

get_detailed_report(
  api_token = get_toggl_api_token(),
  workspace_id = get_workspace_id(api_token),
  since = Sys.Date() - lubridate::years(1),
  until = Sys.Date(),
  user_agent = "togglr",
  max_page = 10,
  memoise_cache_dir = getOption("togglr_memoise_dir", default =
    rappdirs::user_cache_dir("togglr"))
)

clean_memoise_cache(
  memoise_cache_dir = getOption("togglr_memoise_dir", default =
    rappdirs::user_cache_dir("togglr"))
)

```

Arguments

<code>api_token</code>	the toggl api token
<code>workspace_id</code>	the workspace id
<code>since</code>	begin date
<code>until</code>	stop date
<code>page</code>	page
<code>user_agent</code>	user_agent
<code>max_page</code>	max_page
<code>memoise_cache_dir</code>	cache folder for memoise function, can be edited with <code>'options('togglr_memoise_dir')</code> or <code>'rappdirs::user_cache_dir("togglr")'</code> by default

Examples

```

## Not run:
clean_memoise_cache()

## End(Not run)

```

<code>get_project_id</code>	<i>get_project_id</i>
-----------------------------	-----------------------

Description

retrieve project id

Usage

```
get_project_id(  
    project_name = get_context_project(),  
    api_token = get_toggl_api_token(),  
    create = FALSE,  
    client = NULL,  
    workspace_id = get_workspace_id(api_token),  
    color = NULL  
)
```

Arguments

<code>project_name</code>	the project name
<code>api_token</code>	the toggl api token
<code>create</code>	boolean do you want to create the project if it doesnt exist ?
<code>client</code>	client name
<code>workspace_id</code>	workspace id
<code>color</code>	id of the color selected for the project

<code>get_project_id_and_name</code>	<i>get_project_id_and_name</i>
--------------------------------------	--------------------------------

Description

retrieve project id and name

Usage

```
get_project_id_and_name(  
    api_token = get_toggl_api_token(),  
    workspace_id = get_workspace_id(api_token)  
)
```

Arguments

<code>api_token</code>	the toggl api token
<code>workspace_id</code>	workspace id

get_project_total	<i>get project total time</i>
-------------------	-------------------------------

Description

get project total time

Usage

```
get_project_total(  
  project_name = get_context_project(),  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token),  
  since = Sys.Date() - lubridate::years(1),  
  until = Sys.Date()  
)
```

Arguments

project_name	project name
api_token	the toggl api token
workspace_id	the workspace id
since	a date
until	a date

get_summary_report	<i>get summary report</i>
--------------------	---------------------------

Description

by user then projet

Usage

```
get_summary_report(  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token),  
  since = Sys.Date() - lubridate::years(1),  
  until = Sys.Date(),  
  user_agent = "togglr",  
  users = get_workspace_users(api_token = api_token, workspace_id = workspace_id)  
)
```

Arguments

api_token	the toggl api token
workspace_id	the workspace id
since	begin date
until	stop date
user_agent	user_agent
users	users

get_time_entries	<i>Get all time entries between 2 dates</i>
------------------	---

Description

Get all time entries between 2 dates

Usage

```
get_time_entries(  
  api_token = get_toggl_api_token(),  
  since = Sys.time() - lubridate::weeks(1),  
  until = Sys.time()  
)
```

Arguments

api_token	the toggl api token
since	begin date (One week ago by default)
until	stop date (Now by default)

Value

a data.frame containing all time entries

Examples

```
## Not run:  
get_time_entries()  
  
## End(Not run)
```

get_toggl_api_token *get_toggl_api_token*

Description

return the toggle api token

Usage

```
get_toggl_api_token(ask = TRUE)
```

Arguments

ask boolean do we have to ask if missing

get_weekly_report *get weekly report*

Description

get weekly report

Usage

```
get_weekly_report(  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token),  
  since = Sys.Date() - lubridate::years(1),  
  until = Sys.Date(),  
  user_agent = "togglr"  
)
```

Arguments

api_token the toggl api token
workspace_id the workspace id
since begin date
until stop date
user_agent user_agent

get_workspace_id *get_workspace_id*

Description

Return the workspace id

Usage

```
get_workspace_id(api_token = get_toggl_api_token())
```

Arguments

api_token the toggl api token

get_workspace_users *Title*

Description

Title

Usage

```
get_workspace_users(  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token)  
)
```

Arguments

api_token the toggl api token

workspace_id the workspace id

notification	<i>show notification</i>
--------------	--------------------------

Description

show notification using message

Usage

```
notification(title, msg)
```

Arguments

title	title of the notificatin
msg	content of the notification

open_toggl_website_app	<i>open toggle.com website on timesheet page</i>
------------------------	--

Description

open toggle.com website on timesheet page

Usage

```
open_toggl_website_app()
```

open_toggl_website_profile	<i>open toggle.com website on profile page</i>
----------------------------	--

Description

open toggle.com website on profile page

Usage

```
open_toggl_website_profile()
```

set_toggl_api_token *set_toggl_api_token*

Description

set the toggle api token

Usage

set_toggl_api_token(token)

Arguments

token toggl api token

simplify *simplify copied from jsonlite*

Description

simplify copied from jsonlite

Usage

simplify(...)

Arguments

... Other parameters

toggl_create *toggl_create*

Description

create a time entry

Usage

```
toggl_create(  
  description = get_context(),  
  start = now(),  
  pid = get_project_id(),  
  stop,  
  duration,  
  tags = NULL,  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token)  
)
```

Arguments

description	the task you did
start	time in POSIXt
pid	pid
stop	time in POSIXt
duration	in seconds
tags	tags
api_token	the toggl api token
workspace_id	workspace id

Examples

```
## Not run:  
options(toggl_api_token = "XXXXXXXX")# set your toggl api token here  
toggl_create(duration=1200)  
  
toggl_create( description="description",  
              start=now(),  
              pid = get_project_id(project_name = "projectname",  
                                   create=TRUE,client = "client"),  
              duration=1000,  
              api_token=get_toggl_api_token())  
  
## End(Not run)
```

toggl_create_project *toggl_create_project*

Description

create a project

Usage

```
toggl_create_project(  
  project_name = get_context_project(),  
  api_token = get_toggl_api_token(),  
  workspace_id = get_workspace_id(api_token),  
  client = NULL,  
  private = FALSE,  
  color = NULL,  
  active = TRUE  
)
```

Arguments

project_name	project name
api_token	the toggl api token#'
workspace_id	workspace_id
client	client name
private	whether project is accessible for only project users or for all workspace users (boolean, default false)
color	id of the color selected for the project
active	boolean set project as active, TRUE by default

Examples

```
## Not run:  
toggl_create_project()  
  
## End(Not run)
```

toggl_start	<i>toggl_start</i>
-------------	--------------------

Description

start a task

Usage

```
toggl_start(  
  description = get_context(),  
  client = "without client",  
  project_name = get_context_project(),  
  start = now(),  
  api_token = get_toggl_api_token(),  
  tags = "",  
  workspace_id = get_workspace_id(api_token)  
)
```

Arguments

description	the task you are doing
client	client name
project_name	nom du projet
start	start time in POSIXt
api_token	the toggl api token
tags	tags
workspace_id	workspace id

Examples

```
## Not run:  
get_toggl_api_token()# set your api token here  
toggl_start()  
  
## End(Not run)
```

toggl_stop	<i>toggl_stop</i>
------------	-------------------

Description

stop the active task

Usage

```
toggl_stop(
  current = get_current(),
  api_token = get_toggl_api_token(),
  workspace_id = get_workspace_id(api_token)
)
```

Arguments

current	list task id and start time
api_token	the toggl api token
workspace_id	workspace id

Examples

```
## Not run:
options(toggl_api_token = "XXXXXXXX")# set your api token here
toggl_start()
toggl_stop()

## End(Not run)
```

toggl_update_entries	<i>toggl_update_entries</i>
----------------------	-----------------------------

Description

update time entries

Usage

```
toggl_update_entries(
  time_entry_ids,
  description = NULL,
  start = NULL,
  pid = NULL,
  stop = NULL,
```

```

    duration = NULL,
    tags = NULL,
    api_token = get_toggl_api_token(),
    workspace_id = get_workspace_id(api_token)
  )

```

Arguments

```

time_entry_ids  id(s) of time entries to update .
description      the task you did
start           time in POSIXt
pid            pid
stop           time in POSIXt
duration       in seconds
tags          tags
api_token      the toggl api token
workspace_id   workspace id

```

Examples

```

## Not run:
options(toggl_api_token = "XXXXXXX")# set your toggl api token here
time_entry_id <- toggl_create(duration=1200)

toggl_update_entries( time_entry_id,
                      description = "new description",
                      duration = 100,
                      tags = c("tag1", "tag2"),
                      api_token=get_toggl_api_token())

## End(Not run)

```

```

to_humain          transforme time column into humain readable column

```

Description

transforme time column into humain readable column

Usage

```
to_humain(df)
```

Arguments

```
df          a data.frame
```

update_toggl_api_token
update_toggl_api_token

Description

update the toggle api token

Usage

update_toggl_api_token()

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