

# 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.

**License** GPL-3

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

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

**Imports** assertthat, cachem, dplyr, getPass, glue, httr, jsonlite,  
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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

### **Author(s)**

vincent <vincent@thinkr.fr>

---

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**

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

**Value**

the client name

---

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

---

**Description**

retrieve Rstudio projet if possible

**Usage**

`get_context()`

---

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

---

**Description**

retrieve Rstudio projet if possible

**Usage**

`get_context_project()`

---

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

---

**Description**

retrieve current projet id

**Usage**

`get_current(api_token = get_toggl_api_token())`

**Arguments**

<code>api_token</code>	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 &lt;https://toggl.com&gt;</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 'options('togglr_memoise_dir')' or 'rappdirs::user_cache_dir("togglr")' 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	<i>get_workspace_id</i>
------------------	-------------------------

---

**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	<i>Title</i>
---------------------	--------------

---

**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                    *toggl\_stop*

---

### 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    *toggl\_update\_entries*

---

### 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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