Package ‘pocketapi’

October 14, 2022

Title  Wrapper Around the 'Pocket' API
Version  0.1
Description  Functions that interface with the 'Pocket' API (<https://getpocket.com/developer/>). Allows the user to get, add, and modify items in their own 'Pocket' account.
Depends  R (>= 3.5.0)
Imports  httr, purrr, tibble, dplyr, glue, jsonlite, magrittr, usethis
License  MIT + file LICENSE
Encoding  UTF-8
LazyData  true

BugReports  https://github.com/CorrelAid/pocketapi/issues
URL  https://github.com/CorrelAid/pocketapi/
RoxygenNote  7.1.1
Suggests  testthat, mockery, covr, httptest, knitr, rmarkdown, ggplot2
VignetteBuilder  knitr

NeedsCompilation  no

Author  Frie Preu [aut, cre],
        Yannik Buhl [aut],
        Max Alletsee [aut],
        Dorian Le Jeune [ctb],
        Christoph Dworschak [ctb],
        Sarah Jukna [ctb],
        CorrelAid e.V. [cph]

Maintainer  Frie Preu <fr1e@pm.me>
Repository  CRAN

Date/Publication  2020-11-20 10:20:02 UTC
R topics documented:

create_authorize_url .......................... 2
get_access_token ................................ 3
get_request_token ................................ 3
pocket_add ...................................... 4
pocket_archive .................................. 5
pocket_delete .................................... 6
pocket_favorite .................................. 6
pocket_get ....................................... 7
pocket_modify .................................... 8
pocket_tag ....................................... 9
pocket_unfavorite ................................ 9

Description

Creates the URL the user needs to enter into her browser in order to authorize the Pocket application/the request token.

Usage

create_authorize_url(request_token)

Arguments

request_token Character string. Pocket request token generated by the function get_request_token.

Details

See the GitHub README for details on Authentication.

Value

Character string. The URL for authorizing the Pocket application for which the request token was requested. This is what you enter into your browser.

See Also

Other authentication functions: get_access_token(), get_request_token()
get_access_token

Description

Creates the URL the user needs to enter into her browser in order to authorize the Pocket application/the request token.

Usage

get_access_token(consumer_key, request_token)

Arguments

c consumer_key  Character string. Here goes your Pocket consumer key.
request_token  Character string. Pocket request token generated by get_request_token.

Details

See the GitHub README for details on Authentication.

Value

Character string. Returns the access token.

See Also

Other authentication functions: create_authorize_url(), get_request_token()

get_request_token

Description

Requests a request_token for the Pocket application with a given consumer key from the Pocket Authentication API. The request token can then be used in create_authorize_url and get_access_token.

Usage

get_request_token(consumer_key)

Arguments

c consumer_key  Character string. Here goes your Pocket consumer key.
pocket_add

Details

See the GitHub README for details on Authentication.

Value

Character string. Request token for the Pocket Application corresponding to your consumer_key.

See Also

Other authentication functions: create_authorize_url(), get_access_token()

Description

Add one or more items to your Pocket account.

Usage

pocket_add(
  add_urls,
  item_ids = "",
  tags = NULL,
  success = TRUE,
  consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
  access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>add_urls</td>
<td>Character vector. The URL or URLs you want to add to your Pocket list.</td>
</tr>
<tr>
<td>item_ids</td>
<td>Character vector. The item_ids of the items you want to add. Defaults to empty character vector.</td>
</tr>
<tr>
<td>tags</td>
<td>Character vector. One or more tags to be applied to all of the newly added URLs. Defaults to NULL.</td>
</tr>
<tr>
<td>success</td>
<td>Logical. Enables success/failure messages for every URL. Defaults to TRUE. Needs GET permission if TRUE.</td>
</tr>
<tr>
<td>consumer_key</td>
<td>Character string. Your Pocket consumer key. Defaults to Sys.getenv(&quot;POCKET_CONSUMER_KEY&quot;).</td>
</tr>
<tr>
<td>access_token</td>
<td>Character string. Your Pocket request token. Defaults to Sys.getenv(&quot;POCKET_ACCESS_TOKEN&quot;).</td>
</tr>
</tbody>
</table>

Details

This function uses the modify endpoint of the Pocket API which exhibits some weird behaviour. For example, even if a 'modify' action is not successful, the API will still return "success". See [issue [#26](https://github.com/CorrelAid/pocketapi/issues/26)] for a discussion.
pocket_archive

Value

the response from the httr call, invisibly

Description

archive items from your Pocket list.

Usage

pocket_archive(
  item_ids,
  consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
  access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)

Arguments

item_ids character vector. Pocket item ids you want to archive.
consumer_key character. Your Pocket consumer key. Defaults to Sys.getenv("POCKET_CONSUMER_KEY").
access_token character. Your Pocket request token. Defaults to Sys.getenv("POCKET_ACCESS_TOKEN").

Details

This function uses the modify endpoint of the Pocket API which exhibits some weird behaviour. For example, even if a ‘modify’ action is not successful, the API will still return "success". See [issue #26](https://github.com/CorrelAid/pocketapi/issues/26) for a discussion.

Value

Invisibly returns a list containing information on whether the action failed or succeeded, including the respective item ID.
pocket_delete

Description

delete items from your Pocket list.

Usage

pocket_delete(
  item_ids,
  consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
  access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)

Arguments

text  character vector. Pocket item ids you want to delete from your list.

text  character. Your Pocket consumer key. Defaults to Sys.getenv("POCKET_CONSUMER_KEY").

text  character. Your Pocket request token. Defaults to Sys.getenv("POCKET_ACCESS_TOKEN").

Details

This function uses the modify endpoint of the Pocket API which exhibits some weird behaviour. For example, even if a 'modify' action is not successful, the API will still return "success". See [issue #26](https://github.com/CorrelAid/pocketapi/issues/26) for a discussion.

Value

Invisibly returns a list containing information on whether the action failed or succeeded, including the respective item ID.

pocket_favorite

Description

favorite items from your Pocket list.

Usage

pocket_favorite(
  item_ids,
  consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
  access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)
pocket_get

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>item_ids</td>
<td>character vector. Pocket item ids you want to favorite</td>
</tr>
<tr>
<td>consumer_key</td>
<td>character. Your Pocket consumer key. Defaults to Sys.getenv(&quot;POCKET_CONSUMER_KEY&quot;).</td>
</tr>
<tr>
<td>access_token</td>
<td>character. Your Pocket request token. Defaults to Sys.getenv(&quot;POCKET_ACCESS_TOKEN&quot;).</td>
</tr>
</tbody>
</table>

Details

This function uses the modify endpoint of the Pocket API which exhibits some weird behaviour. For example, even if a 'modify' action is not successful, the API will still return "success". See [issue [#26](https://github.com/CorrelAid/pocketapi/issues/26) for a discussion.

Value

Invisibly returns a list containing information on whether the action failed or succeeded, including the respective item ID.

Description

Get a data frame with your pocket data.

Usage

```
pocket_get(
  favorite = NULL,
  item_type = NULL,
  tag = NULL,
  state = "all",
  consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
  access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)
```

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>favorite</td>
<td>boolean. Default NULL. Allows to filter for favorited items. If TRUE, only favorited items will be returned. If FALSE, only un-favorited items will be returned.</td>
</tr>
<tr>
<td>item_type</td>
<td>character. Default NULL. Allows to filter for content type of items. Valid values are: &quot;image&quot;, &quot;article&quot;, &quot;video&quot;. Please note that there might be Pocket items that do not belong to any of those types. The Pocket API documentation only mentions those three.</td>
</tr>
<tr>
<td>tag</td>
<td>character. Default NULL. Only one tag can be filtered at a time. Set to '<em>untagged</em>' if you only want to get untagged items.</td>
</tr>
</tbody>
</table>
pocket_modify

state character. Default "all". Allows to filter on unread/archived items or return all. Valid values are "unread", "archive", "all".

consumer_key character. Your Pocket consumer key. Defaults to Sys.getenv("POCKET_CONSUMER_KEY").

access_token character. Your Pocket request token. Defaults to Sys.getenv("POCKET_ACCESS_TOKEN").

Details

See https://getpocket.com/developer/docs/v3/retrieve for the meaning of certain variable values.

Value

tibble. Tibble with one row for each Pocket item.

Description

Function that sends a request with a list of actions to the 'modify' Pocket API endpoint.

Usage

```r
pocket_modify(
  actions,
  consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
  access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)
```

Arguments

- `actions` List. List of lists where each element is an action object. See https://getpocket.com/developer/docs/v3/modify.
- `consumer_key` Character string. Your Pocket consumer key. Defaults to Sys.getenv("POCKET_CONSUMER_KEY").
- `access_token` Character string. Your Pocket request token. Defaults to Sys.getenv("POCKET_ACCESS_TOKEN").

Details

see https://getpocket.com/developer/docs/v3/modify. This function uses the modify endpoint of the Pocket API which exhibits some weird behaviour. For example, even if a 'modify' action is not successful, the API will still return "success". See [issue #26](https://github.com/CorrelAid/pocketapi/issues/26) for a discussion.
pocket_tag

Description
modify the tags of the items in pocket.

Usage
pocket_tag(
    action_name = c("tags_replace", "tags_remove", "tags_add", "tags_clear",
                     "tag_rename", "tag_delete"),
    item_ids = NULL,
    tags = NULL,
    consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
    access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)

Arguments

action_name character vector. The kind of tag action you want to undertake. Possible values: 'tags_add', 'tags_remove', 'tags_replace', 'tags_clear', 'tag_rename', or 'tag_delete'.

item_ids character vector. Pocket item ids you want to modify the tags for.

tag character vector. The names of the tags to work with the chosen action.

consumer_key character. Your Pocket consumer key. Defaults to Sys.getenv("POCKET_CONSUMER_KEY").

access_token character. Your Pocket request token. Defaults to Sys.getenv("POCKET_ACCESS_TOKEN").

Details
This function uses the modify endpoint of the Pocket API which exhibits some weird behaviour. For example, even if a ‘modify’ action is not successful, the API will still return "success". See [issue #26](https://github.com/CorrelAid/pocketapi/issues/26) for a discussion.

pocket_unfavorite

Description
Unfavorite items from your Pocket list.
pocket_unfavorite

Usage

pocket_unfavorite(
  item_ids,
  consumer_key = Sys.getenv("POCKET_CONSUMER_KEY"),
  access_token = Sys.getenv("POCKET_ACCESS_TOKEN")
)

Arguments

item_ids   Character vector. Pocket item IDs you want to unfavorite. Get them, e.g., via pocket_get.
consumer_key  character. Your Pocket consumer key. Defaults to Sys.getenv("POCKET_CONSUMER_KEY").
access_token  character. Your Pocket request token. Defaults to Sys.getenv("POCKET_ACCESS_TOKEN").

Details

This function uses the modify endpoint of the Pocket API which exhibits some weird behaviour. For example, even if a ‘modify’ action is not successful, the API will still return "success". See [issue [#26](https://github.com/CorrelAid/pocketapi/issues/26) for a discussion.

Value

Invisibly returns a list containing information on whether the action failed or succeeded, including the respective item ID.
Index

* authentication functions
  create_authorize_url, 2
  get_access_token, 3
  get_request_token, 3

create_authorize_url, 2, 3, 4
get_access_token, 2, 3, 3, 4
get_request_token, 2, 3, 3

pocket_add, 4
pocket_archive, 5
pocket_delete, 6
pocket_favorite, 6
pocket_get, 7
pocket_modify, 8
pocket_tag, 9
pocket_unfavorite, 9