

Package ‘captr’

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Title Client for the Captricity API

Version 0.3.0

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Description Get text from images of text using Captricity Optical Character Recognition (OCR) API. Captricity allows you to get text from handwritten forms --- think surveys --- and other structured paper documents. And it can output data in form a delimited file keeping field information intact. For more information, read <<https://shreddr.captricity.com/developer/overview/>>.

URL <http://github.com/soodoku/captr>

BugReports <http://github.com/soodoku/captr/issues>

Depends R (>= 3.2.0)

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LazyData true

VignetteBuilder knitr

Imports curl, jsonlite

Suggests testthat, rmarkdown, knitr (>= 1.11)

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Repository CRAN

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captr-package	<i>captr: R Client for the Capticity API</i>
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Description

OCR images and forms. See <https://captricity.com/>. Details about results of calls to the API can be found at <https://shreddr.captricity.com/developer/>.

Your need credentials to use this application. If you haven't already, you can get this at <https://shreddr.captricity.com/developer/>.

Author(s)

Gaurav Sood

batch_price	<i>Price of a Batch</i>
-------------	-------------------------

Description

The price for processing the batch.

Usage

```
batch_price(batch_id = NULL, ...)
```

Arguments

batch_id ID for the batch; Required; String.
 ... Additional arguments passed to [captr_GET](#).

Value

named list

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:
batch_price("batch_id")

## End(Not run)
```

captr_CHECKAUTH	<i>Check if authentication information is there</i>
-----------------	---

Description

Check if authentication information is there

Usage

```
captr_CHECKAUTH()
```

captr_DELETE	<i>DELETE</i>
--------------	---------------

Description

DELETE

Usage

```
captr_DELETE(path = "", query = NULL, ...)
```

Arguments

path path to specific API request URL
 query query list
 ... Additional arguments passed to [curl_fetch_memory](#).

Value

list

`captr_GET`*GET*

Description

GET

Usage`captr_GET(path = "", query = NULL, ...)`**Arguments**

<code>path</code>	path to specific API request URL
<code>query</code>	query list
<code>...</code>	Additional arguments passed to curl_fetch_memory .

Value

list

`captr_POST`*POST*

Description

POST

Usage`captr_POST(path = "", query = NULL, ...)`**Arguments**

<code>path</code>	path to specific API request URL
<code>query</code>	query list
<code>...</code>	Additional arguments passed to curl_fetch_memory .

Value

list

create_batch	<i>Create Batch</i>
--------------	---------------------

Description

Create a new batch.

Usage

```
create_batch(batch_name = NULL, ...)
```

Arguments

batch_name	name of the batch; Required; character
...	Additional arguments passed to <code>captr_POST</code> .

Value

List of length 26. Includes information like `created_by`, `user_id`, etc.

References

<https://shreddr.captricity.com/developer/api-reference/#v1-batch>

Examples

```
## Not run:  
create_batch(batch_name = "name_of_batch")  
  
## End(Not run)
```

delete_batch	<i>Delete a Batch</i>
--------------	-----------------------

Description

Delete a Batch

Usage

```
delete_batch(batch_id = "", ...)
```

Arguments

batch_id	ID for the batch
...	Additional arguments passed to <code>captr_DELETE</code> .

References

<https://shreddr.captricity.com/developer/api-reference/#v1-batches>

Examples

```
## Not run:
delete_batch("batch_id")

## End(Not run)
```

delete_job

Delete a Job

Description

Delete a Job

Usage

```
delete_job(job_id = "", ...)
```

Arguments

job_id	ID for the job (which you get from related_job_id field of submit_batch)
...	Additional arguments passed to <code>captr_DELETE</code> .

References

<https://shreddr.captricity.com/developer/api-reference/#v1-batches>

Examples

```
## Not run:
delete_job("job_id")

## End(Not run)
```

get_all	<i>Get All the Data For a Particular Job in a csv</i>
---------	---

Description

Get all the data

Usage

```
get_all(job_id = "", output_dir = "./")
```

Arguments

job_id	ID for the job
output_dir	output directory

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
get_all(job_id = "job_id")  
  
## End(Not run)
```

get_batch_details	<i>Get Details of a particular batch</i>
-------------------	--

Description

Get details such as who the batch was created by, user id of the creator, name of the batch, whether or not the batch has been submitted for processing, files in the batch, etc.

Usage

```
get_batch_details(batch_id = "", ...)
```

Arguments

batch_id	ID for the batch
...	Additional arguments passed to <code>captr_GET</code> .

Value

list of length 26.

References

<https://shreddr.captricity.com/developer/api-reference/#v1-batch>

Examples

```
## Not run:  
get_batch_details("batch_id")  
  
## End(Not run)
```

get_instance_set	<i>Get Instance Set</i>
------------------	-------------------------

Description

If you are interested in getting data from one particular form, use this function.

Usage

```
get_instance_set(instance_set_id = "", ...)
```

Arguments

instance_set_id	ID for the form (instance_set) (which you get from list_instance_sets)
...	Additional arguments passed to <code>captr_GET</code> .

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
get_instance_set("instance_set_id")  
  
## End(Not run)
```

get_template_id	<i>Set Template ID</i>
-----------------	------------------------

Description

To digitize documents, create a template using the Captricity Web UI at <https://shreddr.captricity.com/job/> The template tells Captricity which data to get from where in the document.

Usage

```
get_template_id(...)
```

Arguments

... Additional arguments passed to `captr_GET`.

Details

Get the template ids of all the documents

Value

named list

References

<https://shreddr.captricity.com/developer/>

Examples

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

list_batches	<i>List Batches</i>
--------------	---------------------

Description

A list of batches owned by the calling account.

Usage

```
list_batches(...)
```

Arguments

... Additional arguments passed to `captr_GET`.

Value

named list. Prints number of batches by default. Named list has 15 items: `total_batch_cost_in_fields`, `user_included`.

References

<https://shreddr.captricity.com/developer/api-reference/#v1-batches>

Examples

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

<code>list_batch_files</code>	<i>List all the files in a batch</i>
-------------------------------	--------------------------------------

Description

List all the files in a batch

Usage

```
list_batch_files(batch_id = "", ...)
```

Arguments

`batch_id` ID for the batch; Required; String
... Additional arguments passed to `captr_GET`.

Value

list. If no files in a batch, an empty list

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
list_batch_files("batch_id")  
  
## End(Not run)
```

list_docs	<i>List Documents</i>
-----------	-----------------------

Description

A list of document resources owned by the calling account.

Usage

```
list_docs(...)
```

Arguments

... Additional arguments passed to `captr_GET`.

Value

data.frame Prints total number of documents by default.

References

<https://shreddr.captricity.com/developer/api-reference/#v1-documents>

Examples

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

list_instance_sets	<i>List Instance Sets</i>
--------------------	---------------------------

Description

List all the forms (instance sets) for a particular job. Use this to get ids of forms (instance sets) you want to download.

Usage

```
list_instance_sets(job_id = "", ...)
```

Arguments

job_id ID for the job (which you get from related_job_id field of submit_batch)
... Additional arguments passed to `captr_GET`.

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
list_instance_sets(job_id = "job_id")  
  
## End(Not run)
```

list_jobs	<i>List Jobs</i>
-----------	------------------

Description

A list of jobs owned by the calling account.

Usage

```
list_jobs(...)
```

Arguments

... Additional arguments passed to `captr_GET`.

References

<https://shreddr.captricity.com/developer/api-reference/#v1-jobs>

Examples

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

set_batch_template	<i>Assign Template ID to a Batch</i>
--------------------	--------------------------------------

Description

To digitize documents, create a template using the Captricity Web UI at <https://shreddr.captricity.com/job/> The template tells Captricity which data to get from where in the document. Set the relevant document id using this function

Usage

```
set_batch_template(batch_id = "", template_id = "")
```

Arguments

batch_id	Batch ID
template_id	ID for the template

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
set_batch_template("batch_id", template_id)  
  
## End(Not run)
```

set_token	<i>Sets Application Token</i>
-----------	-------------------------------

Description

Captricity requires an application token to use the API. Get the token from <https://shreddr.captricity.com/>. The functions looks for CaptricityToken in the environment. If it doesn't find it or if change is forced, it looks for arguments passed in the function. If it fails to find that, it asks for input.

Usage

```
set_token(app_token = NULL, force = FALSE)
```

Arguments

app_token	Application token. Get these from https://shreddr.captricity.com/developer/ .
force	Force change the CaptricityToken stored in the environment

Details

Run this function before anything else.

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
set_token("app_token")  
  
## End(Not run)
```

submit_batch	<i>Submit the Batch for Processing</i>
--------------	--

Description

Submit the Batch for Processing

Usage

```
submit_batch(batch_id = "", ...)
```

Arguments

batch_id	ID for the batch. Required. String.
...	Additional arguments passed to <code>captr_POST</code> .

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
submit_batch("batch_id")  
  
## End(Not run)
```

test_readiness	<i>Test Readiness of a Batch</i>
----------------	----------------------------------

Description

Check if the batch is ready to be processed

Usage

```
test_readiness(batch_id = "", ...)
```

Arguments

batch_id	ID for the batch. Required. String.
...	Additional arguments passed to <code>captr_GET</code> .

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
test_readiness("batch_id")  
  
## End(Not run)
```

track_progress	<i>Track Progress of a Job</i>
----------------	--------------------------------

Description

Check what percentage of the job is digitized

Usage

```
track_progress(job_id = "")
```

Arguments

job_id	ID for the job (which you get from related_job_id field of submit_batch)
--------	--

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
track_progress("job_id")  
  
## End(Not run)
```

upload_image	<i>Upload Image</i>
--------------	---------------------

Description

Upload an image to captricity.

Usage

```
upload_image(batch_id = "", path_to_image = "", ...)
```

Arguments

batch_id	ID for the batch
path_to_image	Path to the image you want OCRd
...	Additional arguments passed to <code>captr_POST</code> .

References

<https://shreddr.captricity.com/developer/>

Examples

```
## Not run:  
upload_image("batch_id", "path_to_image")  
  
## End(Not run)
```

user_profile	<i>User Profile</i>
--------------	---------------------

Description

Provides account information for the provided API Token.

Usage

```
user_profile(...)
```


Arguments

... Additional arguments passed to `captr_GET`.

Value

named list with the following elements: `username`, `deny_batch_submission_for_digitization`, `account_balance`, `us`

References

https://shreddr.captricity.com/developer/api-reference/#v1-user_profile

Examples

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

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