

Package ‘cloudstoR’

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Title Simplifies Access to Cloudstor API

Version 0.1.0

Description Access Cloudstor via their WebDAV API. This package can read, write, and navigate Cloudstor from R.

License GPL (>= 3)

Suggests rstudioapi, testthat (>= 3.0.0), mockery

Encoding UTF-8

RoxygenNote 7.1.1

Imports curl, cli, getPass, httr, keyring, rio, utils, XML

Config/testthat/edition 3

NeedsCompilation no

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cloud_auth	<i>cloud_auth</i>
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Description

Get users credentials and store them securely in keyring.

Usage

```
cloud_auth(reset_keys = FALSE)
```

Arguments

reset_keys override existing keys

Value

Nothing. Keys are stored in Keyring.

cloud_auth_pwd	<i>cloud_auth_pwd</i>
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Description

Used to return a stored cloudstor password, or request the user set one. Not a user-facing function.

Usage

```
cloud_auth_pwd()
```

Value

user password as string.

cloud_auth_user	<i>cloud_auth_user</i>
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Description

Used to return a stored cloudstor username, or request the user set one. Not a user-facing function.

Usage

```
cloud_auth_user()
```

Value

user id as string.

cloud_browse	<i>cloud_browse</i>
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Description

Navigate the folder tree interactively.

Usage

```
cloud_browse(path = "", user = cloud_auth_user(), password = cloud_auth_pwd())
```

Arguments

path	initial path to start the search
user	Your cloudstor username
password	Your cloudstor password

Value

the last file path

cloud_get	<i>cloud_get</i>
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Description

Download a file from a cloudstor folder. The file is opened and read into R using rio, or optionally the file path is returned.

Usage

```
cloud_get(
  path,
  dest = NULL,
  user = cloud_auth_user(),
  password = cloud_auth_pwd(),
  open_file = TRUE
)
```

Arguments

path	path to file or folder
dest	destination for saving the file
user	cloudstor user name
password	cloudstor password
open_file	if TRUE, open the file using rio. Else, returns the file path

Value

the file object or folder path, depending on open_file

cloud_list	<i>cloud_list</i>
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Description

cloud_list

Usage

```
cloud_list(path = "", user = cloud_auth_user(), password = cloud_auth_pwd())
```

Arguments

path	path to file or folder
user	cloudstor user name
password	cloudstor password

Value

a list of files and folders

cloud_meta	<i>cloud_meta</i>
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Description

Return a data.frame of the metadata for a file or folder

Usage

```
cloud_meta(path = "", user = cloud_auth_user(), password = cloud_auth_pwd())
```

Arguments

path	path to file or folder
user	Your cloudstor username
password	Your cloudstor password

Value

a data.frame of the file and folder metadata

cloud_put	<i>cloud_put</i>
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Description

Save a file to cloudstor.

Usage

```
cloud_put(
    file_name,
    local_file,
    path = "",
    user = cloud_auth_user(),
    password = cloud_auth_pwd()
)
```

Arguments

file_name	What you want to call the file on cloudstor
local_file	Where the file is located
path	path to file or folder
user	Your cloudstor username
password	Your cloudstor password

Value

nothing

get_cloud_address	<i>get_cloud_address</i>
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Description

Return the full cloud_address path. Not a user facing function.

Usage

```
get_cloud_address(path)
```

Arguments

path	path to file or folder
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Value

encoded url as string

`get_handle`*get_handle*

Description

Return a handle for CURL to use. Not a user facing function

Usage

```
get_handle(user, password, reset = FALSE)
```

Arguments

<code>user</code>	cloudstor username
<code>password</code>	cloudstor password
<code>reset</code>	remove the existing authentication and handle

Value

curl handle object

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