

# Package ‘cloudstoR’

October 12, 2022

**Title** Simplifies Access to Cloudstor API

**Version** 0.2.0

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

**URL** <https://pdparker.github.io/cloudstoR/>,  
<https://github.com/pdparker/cloudstoR>

**BugReports** <https://github.com/pdparker/cloudstoR/issues>

**License** GPL (>= 3)

**Suggests** rstudioapi, testthat (>= 3.0.0)

**Encoding** UTF-8

**RoxygenNote** 7.1.2

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

**Config/testthat/edition** 3

**NeedsCompilation** no

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**Repository** CRAN

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cloud_auth	<i>cloud_auth</i>
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**Description**

cloud\_auth() gets the user's credentials and stores them securely in keyring.

**Usage**

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

**Arguments**

reset\_keys      Override existing keys.

**Value**

Nothing. Keys are stored in keyring.

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cloud_browse	<i>cloud_browse</i>
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**Description**

cloud\_browse() lets you navigate the folder tree interactively. This is useful for finding a file or folder path which can then be used in cloud\_get() or cloud\_put(). This function is only intended to be used interactively - you should not use this function programmatically.

When you call cloud\_browse() you are given a list of files and folders (either at the top-level, or from the provided path). You provide the numeric number of the folder or file you wish to move to to continue. If you are not at the top level, you can select "../" to move up one folder. At any time you can select 0 to exit the interactive navigation.

If you select a folder, you are shown the files and folders within that folder. If you select a file, the full path for the file is shown (so that it can be passed to another function) and the interactive session is ended.

**Usage**

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

**Arguments**

path              The initial path to start the search. If not provided, the function starts at the top-level folder.

user              Your Cloudstor username.

password         Your Cloudstor password.

**Value**

the last file path

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cloud_get	<i>cloud_get</i>
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**Description**

cloud\_list() downloads 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	The path to file or folder.
dest	The 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
...	pass additional arguments to rio::import()

**Value**

The file object or folder path is returned, depending on open\_file

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cloud_list	<i>cloud_list</i>
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**Description**

cloud\_list() returns a list of the files located in a folder.

**Usage**

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

**Arguments**

path	The path to file or folder.
user	Cloudstor user name.
password	Cloudstor password.

**Value**

A list of files and folders.

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cloud_meta	<i>cloud_meta</i>
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**Description**

cloud\_meta() returns the metadata for a file or folder. This can be useful for checking if a file has been modified.

**Usage**

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

**Arguments**

path	The path to file or folder.
user	Your Cloudstor username
password	Your Cloudstor password

**Value**

A data.frame of the file and folder metadata is returned.

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`cloud_put`*cloud\_put*

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**Description**

`cloud_put()` saves a file to Cloudstor. If the file already exists, it is replaced.

**Usage**

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

**Arguments**

<code>local_file</code>	Where the file is located on your computer.
<code>path</code>	The destination on Cloudstor.
<code>file_name</code>	Optional. What you want to call the file on Cloudstor? If it is not provided, it is the same as the file name of the local file
<code>user</code>	Optional. Your Cloudstor username.
<code>password</code>	Optional. Your Cloudstor password.

**Value**

Nothing is returned. A success or error message is printed.

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