

# Package ‘archivist.github’

August 30, 2016

**Version** 0.2.2

**Type** Package

**Title** Tools for Archiving, Managing and Sharing R Objects via GitHub

**Description** The extension of the 'archivist' package integrating the archivist with GitHub via GitHub API, 'git2r' packages and 'htr' package.

**Repository** CRAN

**License** GPL-2

**LazyLoad** yes

**LazyData** yes

**Depends** R (>= 3.2.0), archivist

**Imports** htr, git2r, jsonlite, digest

**Suggests** knitr

**BugReports** <https://github.com/MarcinKosinski/archivist.github/issues>

**URL** <http://marcinkosinski.github.io/archivist.github/>

**RoxygenNote** 5.0.1

**NeedsCompilation** no

**VignetteBuilder** knitr

**Author** Marcin Kosinski [aut, cre],  
Przemyslaw Biecek [aut]

**Maintainer** Marcin Kosinski <m.p.kosinski@gmail.com>

**Date/Publication** 2016-08-30 18:47:53

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archivist.github-package

*Tools for Archiving, Managing and Sharing R Objects via GitHub*

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## Description

GitHub integration extension of the **archivist** package - tool for storing, restoring and searching for R objects. More about **archivis.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/)

## Details

More about **archivis.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html#>

## Posts

This package is well explained on this <http://r-bloggers.com/r-hero-saves-backup-city-with-archivist-and-github> blog post.

## Note

Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

## Author(s)

Marcin Kosinski [aut, cre] <m.p.kosinski@gmail.com>  
Przemyslaw Biecek [aut] <przemyslaw.biecek@gmail.com>

## References

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

## See Also

Other archivist.github: [archive](#), [authoriseGitHub](#), [cloneGitHubRepo](#), [createGitHubRepo](#), [deleteGitHubRepo](#), [pushGitHubRepo](#)

---

addHooksToPrintGitHub *Add **archivist** Hooks to **rmarkdown** markdown/LaTeX Reports and Archive Artifact on GitHub*

---

## Description

addHooksToPrintGitHub adds an overloaded version of the print function for objects of selected class. The overloaded function will add all objects of selected class to the [Repository](#) and then will add hooks to the HTML report (generated in **rmarkdown**) for these objects ([artifacts - archivist-package](#)). This is GitHub version of addHooksToPrint and it automatically stores artifacts on GitHub - see examples.

This function is well explained on this <http://r-bloggers.com/r-hero-saves-backup-city-with-archivist-and-github> blog post.

## Usage

```
addHooksToPrintGitHub(class = "ggplot", repo = aoptions("repo"),
  user = aoptions("user"), password = aoptions("password"),
  format = "markdown")
```

## Arguments

class	A character containing a name of class (one or more) that should be archived.
repo	A character containing a name of a GitHub repository on which the Repository is archived. If repo = NULL then hooks will be added to files in local directories.
user	A character containing a name of a GitHub user on whose account the repo is created.
password	A character denoting GitHub user password. Can be set globally with aoptions("password", password). See <a href="#">agithub</a> .
format	The same as in <a href="#">alink</a> .

## Note

One can specify userTags as in [archive](#) for artifacts by adding "tags" attribute. See note section about that in [archive](#).

Bug reports and feature requests can be sent to <https://github.com/pbiecek/archivist/issues>

## Author(s)

Przemyslaw Biecek ([addHooksToPrint](#)), <przemyslaw.biecek@gmail.com>  
 Marcin Kosinski ([addHooksToPrintGitHub](#)), <m.p.kosinski@gmail.com>

## References

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

**See Also**

Other archivist: [archivist-github-integration](#)

**Examples**

```
## Not run:
# only in Rmd report, links to GitHub repository and archive artifact
#' # empty GitHub Repository creation
authoriseGitHub(ClientID, ClientSecret) -> github_token
# authoriseGitHub also does: aoptions("github_token", github_token)
aoptions("user", user.name)
aoptions("password", user.password)
createGitHubRepo("Museum", default = TRUE) # it does aoptions("repo", "Museum")

addHooksToPrintGitHub(class="ggplot") # takes default parameters from ?aoptions
qplot(mpg, wt, data = mtcars, geom = "path")
summaryRemoteRepo()
showRemoteRepo()

## End(Not run)
```

---

 archive

---

*Archive Artifact to Local and GitHub Repository*


---

**Description**

archive stores artifacts in the local [Repository](#) and automatically pushes archived artifacts to the GitHub Repository with which the local Repository is synchronized (via [createGitHubRepo](#) or [cloneGitHubRepo](#)). Function stores artifacts on the same way as [saveToLocalRepo](#) function.

This function is well explained on this <http://r-bloggers.com/r-hero-saves-backup-city-with-archivist-and-github> blog post.

**Usage**

```
archive(artifact, commitMessage = aoptions("commitMessage"),
        repo = aoptions("repo"), user = aoptions("user"),
        password = aoptions("password"), alink = aoptions("alink"),
        artifactName = deparse(substitute(artifact)), verbose = FALSE, ...)
```

**Arguments**

artifact	An artifact to be archived on Local and Github <a href="#">Repository</a> .
commitMessage	A character denoting a message added to the commit while archiving artifact on GitHub Repository. By default, an artifact's <a href="#">md5hash</a> is added to the commit message when it is specified to NULL.
repo	A character denoting GitHub repository name and synchronized local existing directory in which an artifact will be saved.

user	A character denoting GitHub user name. Can be set globally with <code>aoptions("user", user)</code> . See <a href="#">agithub</a> .
password	A character denoting GitHub user password. Can be set globally with <code>aoptions("password", password)</code> . See <a href="#">agithub</a> .
alink	Logical. Whether the result should be put into <code>alink</code> function. If you would like to pass further arguments to <code>alink</code> then you should specify them with <code>aoptions</code> in this case.
artifactName	The name of the artifact with which it should be archived. If NULL then object's MD5 hash will be used instead.
verbose	A logical value. If TRUE then additional messages will be printed out.
...	Further arguments passed to <code>saveToLocalRepo</code> function.

### Details

To learn more about Archivist Integration With GitHub visit [agithub](#).

### Note

Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

### Author(s)

Marcin Kosinski, <m.p.kosinski@gmail.com>

### References

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

### See Also

Other `archivist.github`: [archivist.github-package](#), [authoriseGitHub](#), [cloneGitHubRepo](#), [createGitHubRepo](#), [deleteGitHubRepo](#), [pushGitHubRepo](#)

### Examples

```
## Not run:

# empty GitHub Repository creation
authoriseGitHub(ClientID, ClientSecret) -> github_token
# authoriseGitHub also does: aoptions("github_token", github_token)
aoptions("user", user.name)
aoptions("password", user.password)

createGitHubRepo("archive-test4", default = TRUE)
## artifact's archiving
exampleVec <- 1:100

# archiving
```

```

archive(exampleVec) -> md5hash_path

## proof that artifact is really archived
showGithubRepo() # uses options from setGithubRepo
# let's remove exampleVec
rm(exampleVec)
# and load it back from md5hash_path
aread(md5hash_path)

# clone example
unlink("archive-test", recursive = TRUE)
cloneGithubRepo('https://github.com/MarcinKosinski/archive-test')
setRemoteRepo(aoptions("user"), "archive-test")
data(iris)
archive(iris)
showRemoteRepo()

## alink() option
vectorLong <- 1:100
vectorShort <- 1:20
# archiving
alink(archive(vectorLong))
archive(vectorShort, alink = TRUE)
showRemoteRepo()

## End(Not run)

```

---

archivist-github-integration

*Archivist Integration With GitHub*

---

## Description

Set of functions to integrate [archivist-package](#) with GitHub API <https://developer.github.com/v3/>.

To start working with **archivist.github** one should run [authoriseGitHub](#) to create an OAuth token which is required by every function in this package.

It is possible to create new GitHub repository with an empty **archivist**-like [Repository](#) with [create-GitHubRepo](#) function.

[archive](#) stores artifacts in the Local Repository and automatically pushes archived artifacts to the GitHub Repository with which the Local Repository is synchronized.

[cloneGitHubRepo](#) clones GitHub Repository into the local directory.

[deleteGitHubRepo](#) can delete whole GitHub-Repository or only archivist-like Repository stored on a GitHub-Repository.

[pushGitHubRepo](#) and [pullGitHubRepo](#) synchronize Local and GitHub (remote) Repository.

## Details

To use this set of functionalities, one firstly has to authorize himself to the GitHub API. It can be done by creating <https://github.com/settings/developers> (register new application). If you do not know what should be included as callback url, you may use `http://localhost:1410` for testing purposes. When application is created, one will have to copy its Client ID and Client Secret and authorize his github user with this application by running those commands:

- `myapp <- oauth_app("github", key = Client_ID, secret = Client_Secret),`
- `github_token <- oauth2.0_token(oauth_endpoints("github"), myapp, scope = "public_repo").`

The scope limits can be found here <https://developer.github.com/v3/oauth/#scopes>. Basically, this is how you grant an access to your application and give permissions. With such a token one is authorized and can work with GitHub API and **archivist** functions devoted to GitHub integration.

To perform GitHub integration operations such as push, pull, commit, add etc. a user has to pass his GitHub user name (`user.name` parameter), user email (`user.email` parameter) and user password (`user.password` parameter). Those parameters can be set globally with `aoptions("user.email", user.email), aoptions("user.name", user.name)` and `aoptions("user.password", user.password)`.

## Note

Note that global configuration of the `git config` is used for initial commit. One can later specify local configuration for the repository with `config`, e.g `config(repoName, user.name = "Alice", user.email = "mail_at_...")`. Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

## Author(s)

Marcin Kosinski, <m.p.kosinski@gmail.com>

## References

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

## See Also

Other archivist: [addHooksToPrintGitHub](#)

## Examples

```
## Not run:
authoriseGitHub(ClientID, ClientSecret) -> github_token
# authoriseGitHub also does: aoptions("github_token", github_token)
aoptions("user", user.name)
aoptions("password", user.password)

## here github_token is used
createGitHubRepo("Museum")
createGitHubRepo("Museum-Extras", response = TRUE)
createGitHubRepo("Gallery", readme = NULL)
createGitHubRepo("Landfill",
```

```
repoDescription = "My models and stuff")

## End(Not run)
```

---

authoriseGitHub      *Authorise with GitHub API*

---

### Description

authoriseGitHub is function that performs OAuth authorisation with GitHub API and stores resulting token in the github\_token variable. In order to authorise your app you need ClientID and ClientSecret. They can be found here: <https://github.com/settings/applications/new>

### Usage

```
authoriseGitHub(ClientID, ClientSecret, scope = c("public_repo"))
```

### Arguments

ClientID	A 20 characters long string with Client ID. See <a href="https://github.com/settings/applications/">https://github.com/settings/applications/</a> for more details.
ClientSecret	A 40 characters long string with Client Secret. See <a href="https://github.com/settings/applications/">https://github.com/settings/applications/</a> for more details.
scope	A character vector with the list of available scopes for the GitHub API token. See <a href="https://developer.github.com/v3/oauth/#scopes">https://developer.github.com/v3/oauth/#scopes</a> . For repository deletion you will need to add "delete_repo" scope.

### Note

Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

### Author(s)

Przemyslaw Biecek, <[przemyslaw.biecek@gmail.com](mailto:przemyslaw.biecek@gmail.com)>

### References

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

### See Also

Other `archivist.github`: [archive](#), [archivist.github-package](#), [cloneGitHubRepo](#), [createGitHubRepo](#), [deleteGitHubRepo](#), [pushGitHubRepo](#)



**Examples**

```
## Not run:
## GitHub version
authoriseGitHub(ClientID, ClientSecret) -> github_token

## End(Not run)
```

---

cloneGitHubRepo	<i>Clone Github Repository</i>
-----------------	--------------------------------

---

**Description**

cloneGitHubRepo is a wrapper around `git clone` and clones GitHub Repository into the `repoDir` directory.

**Usage**

```
cloneGitHubRepo(repoURL, repoDir = NULL, default = FALSE, ...)
```

**Arguments**

repoURL	The remote repository to clone.
repoDir	Local directory to clone to. If NULL, by default, creates a local directory, which corresponds to the name after last / in repoURL.
default	Sets cloned Repository as default Local and GitHub Repository. If default = TRUE then repoDir (last piece of repoURL) is set as default Local Repository and for GitHub repository also the user from repoURL is set as default GitHub user).
...	Further parameters passed to <a href="#">clone</a> .

**Details**

To learn more about Archivist Integration With GitHub visit [agithub](#).

**Note**

Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

**Author(s)**

Marcin Kosinski, <m.p.kosinski@gmail.com>

**References**

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

**See Also**

Other `archivist.github`: [archive](#), [archivist.github-package](#), [authoriseGitHub](#), [createGitHubRepo](#), [deleteGitHubRepo](#), [pushGitHubRepo](#)

**Examples**

```
## Not run:

cloneGitHubRepo("https://github.com/MarcinKosinski/Museum")
cloneGitHubRepo("https://github.com/MarcinKosinski/Museum-Extra")

# empty Github Repository creation
authoriseGitHub(ClientID, ClientSecret) -> github_token
# authoriseGitHub also does: aoptions("github_token", github_token)
aoptions("user", user.name)
aoptions("password", user.password)

createEmptyGithubRepo("archive-test4")
setRemoteRepo(aoptions("name"), "archive-test4")
## artifact's archiving
example <- 1:100

# archiving
archive(example) -> md5hash_path

## proof that artifact is really archived
showRemoteRepo() # uses options from setGithubRepo
# let's remove przyklad
rm(example)
# and load it back from md5hash_path
aread(md5hash_path)

# clone example
unlink("archive-test", recursive = TRUE)
cloneGitHubRepo('https://github.com/MarcinKosinski/archive-test')
setRemoteRepo(aoptions("name"), "archive-test")
# equivalent is cloneGitHubRepo('https://github.com/MarcinKosinski/archive-test', default = TRUE)
# check if default is set with
# aoptions('repoDir'); aoptions('repo'); aoptions('user')
data(iris)
archive(iris)
showRemoteRepo()

## End(Not run)
```

---

createGitHubRepo      *Create an Empty Repository on GitHub*

---

### Description

createGitHubRepo is a GitHub version of [createLocalRepo](#) and creates a new GitHub repository with an empty **archivist**-like [Repository](#). It also creates a Local Repository which is git-synchronized with new GitHub repository.

This function is well explained on this <http://r-bloggers.com/r-hero-saves-backup-city-with-archivist-and-github> blog post.

### Usage

```
createGitHubRepo(repo, github_token = aoptions("github_token"),
  user = aoptions("user"), repoDir = NULL,
  password = aoptions("password"),
  repoDescription = aoptions("repoDescription"),
  readmeDescription = aoptions("readmeDescription"),
  response = aoptions("response"), default = FALSE, verbose = FALSE, ...)
```

### Arguments

repo	While working with a Github repository. A character denoting new GitHub repository name. White spaces will be substituted with a dash.
github_token	While working with a Github repository. An OAuth GitHub Token created with the <a href="#">oauth2.0_token</a> function. See <a href="#">archivist-github-integration</a> . Can be set globally with <code>aoptions("github_token", github_token)</code> .
user	While working with a Github repository. A character denoting GitHub user name. Can be set globally with <code>aoptions("user", user)</code> . See <a href="#">archivist-github-integration</a> .
repoDir	A character that specifies the directory for the Repository which is to be made. While working with GitHub Repository, this will be the directory of the synchronized Local Repository, in which the new Local Repository will be created (is NULL then is the same as repo).
password	While working with a Github repository. A character denoting GitHub user password. Can be set globally with <code>aoptions("password", password)</code> . See <a href="#">archivist-github-integration</a> .
repoDescription	While working with a Github repository. A character specifying the new GitHub repository description.
readmeDescription	While working with a Github repository. A character of the content of README.md file. By default a description of <a href="#">Repository</a> . Can be set globally with <code>aoptions("readmeDescription", In order to omit README.md file set aoptions("readmeDescription", NULL)</code> .
response	A logical value. Should the GitHub API response be returned.

default	If default = TRUE then repoDir (repo) is set as default local repository. Also the user is set as default GitHub user.
verbose	A logical value. If TRUE then additional messages will be printed out.
...	further arguments passed to <a href="#">createLocalRepo</a> such as force.

## Details

To learn more about Archivist Integration With GitHub visit [agithub](#).

At least one Repository must be initialized before using other functions from the **archivist.github** package. While working in groups, it is highly recommended to create a Repository on a shared Dropbox/GitHub folder.

All artifacts which are desired to be archived are going to be saved in the local Repository, which is an SQLite database stored in a file named backpack. After calling saveToLocalRepo function, each artifact will be archived in a md5hash.rda file. This file will be saved in a folder (under repoDir directory) named gallery. For every artifact, md5hash is a unique string of length 32 that is produced by [digest](#) function, which uses a cryptographical MD5 hash algorithm.

To learn more about artifacts visit [archivist-package](#).

Created backpack database is a useful and fundamental tool for remembering artifact's name, class, archiving date etc. (the so called [Tags](#)) or for keeping artifact's md5hash.

Besides the backpack database, gallery folder is created in which all artifacts will be archived.

After every saveToLocalRepo call the database is refreshed. As a result, the artifact is available immediately in backpack.db database for other collaborators.

## Note

Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

## Author(s)

Marcin Kosinski, <m.p.kosinski@gmail.com>

## References

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

## See Also

Other archivist.github: [archive](#), [archivist.github-package](#), [authoriseGitHub](#), [cloneGitHubRepo](#), [deleteGitHubRepo](#), [pushGitHubRepo](#)

## Examples

```
## Not run:
# empty GitHub Repository creation
authoriseGitHub(ClientID, ClientSecret) -> github_token
# authoriseGitHub also does: aoptions("github_token", github_token)
aoptions("user", user.name)
```

```

aoptions("password", user.password)

createGitHubRepo("Museum")
createGitHubRepo("Museum-Extras", response = TRUE)
createGitHubRepo("Gallery", readmeDescription = NULL)
createGitHubRepo("Landfill",
repoDescription = "My models and stuff")
createGitHubRepo("MuseumYYYY", repoDir = "Museum_YY")
createGitHubRepo("archive-test4", default = TRUE)

## artifact's archiving
przyklad <- 1:100

# archiving
archive(przyklad) -> md5hash_path

## proof that artifact is really archived
showRemoteRepo() # uses options from setGithubRepo
# let's remove przyklad
rm(przyklad)
# and load it back from md5hash_path
aread(md5hash_path)

# clone example
unlink("archive-test", recursive = TRUE)
cloneGithubRepo('https://github.com/MarcinKosinski/archive-test')
setRemoteRepo(aoptions("user"), "archive-test")
data(iris)
archive(iris)
showRemoteRepo()

## End(Not run)

```

---

deleteGitHubRepo

*Delete the Existing GitHub Repository*


---

### Description

deleteGitHubRepo can delete whole GitHub-Repository or only archivist-like [Repository](#) stored on a GitHub-Repository (then it requires more parameters to be specified).

This function is well explained on this <http://r-bloggers.com/r-hero-saves-backup-city-with-archivist-and-github> blog post.

### Usage

```

deleteGitHubRepo(repo, github_token = aoptions("github_token"),
  user = aoptions("user"), password = aoptions("password"), unset = FALSE,
  deleteRoot = FALSE, subdir = NULL, response = aoptions("response"))

```

**Arguments**

repo	While working with a Github repository. A character denoting GitHub repository name to be deleted.
github_token	While working with a Github repository. An OAuth GitHub Token created with the <a href="#">oauth2.0_token</a> function. To delete GitHub Repository you need to have delete_repo scope set - see examples. See <a href="#">archivist-github-integration</a> . Can be set globally with <code>aoptions("github_token", github_token)</code> .
user	While working with a Github repository. A character denoting GitHub user name. Can be set globally with <code>aoptions("user", user)</code> . See <a href="#">archivist-github-integration</a> .
password	Only when deleteRoot = FALSE. While working with a Github repository. A character denoting GitHub user password. Can be set globally with <code>aoptions("password", password)</code> . See <a href="#">archivist-github-integration</a> .
unset	A logical. If deleted repoDir/repo was set to be default Local/GitHub Repository and unset is TRUE, then repoDir/repo is unset as a default Local/GitHub Repository ( <code>aoptions('repoDir/repo', NULL, T)</code> ).
deleteRoot	A logical value that specifies if the repository root directory should be deleted for Local Repository or for GitHub whether to delete whole GitHub-Repository.
subdir	Only when deleteRoot = FALSE. Subdirectory in which the archivist-Repository is stored on a GitHub Repository. If it's in main directory, then specify to NULL (default).
response	A logical value. Should the GitHub API response be returned (only when deleteRoot = TRUE).

**Details**

To learn more about Archivist Integration With GitHub visit [agithub](#). To delete GitHub Repository you need to have delete\_repo scope set - see examples.

**Note**

Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

**Author(s)**

Marcin Kosinski, <m.p.kosinski@gmail.com>

**References**

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

**See Also**

Other archivist.github: [archive](#), [archivist.github-package](#), [authoriseGitHub](#), [cloneGitHubRepo](#), [createGitHubRepo](#), [pushGitHubRepo](#)

**Examples**

```
## Not run:

authoriseGitHub(ClientID, ClientSecret,
                scope = c("public_repo", "delete_repo")) -> github_token
# authoriseGitHub also does: aoptions("github_token", github_token)
aoptions("user", user.name)
aoptions("password", user.password)

createGitHubRepo("Museum")
deleteGitHubRepo(repo = "Museum", deleteRoot = TRUE, response = TRUE)

## End(Not run)
```

---

pushGitHubRepo                      *Push and Pull for Repository*

---

**Description**

pushGitHubRepo adds files, commits them and pushes from Local [Repository](#) to synchronized GitHub one. pullGitHubRepo pulls (git pull) changes from remote GitHub Repository to the corresponding Local one.

This function is well explained on this <http://r-bloggers.com/r-hero-saves-backup-city-with-archivist-and-github> blog post.

**Usage**

```
pushGitHubRepo(repoDir = aoptions("repoDir"),
               commitMessage = aoptions("commitMessage"), repo = aoptions("repo"),
               user = aoptions("user"), password = aoptions("password"),
               files = c("gallery", "backpack.db"), ...)

pullGitHubRepo(repoDir = aoptions("repoDir"), user = aoptions("user"),
               password = aoptions("password"), ...)
```

**Arguments**

repoDir	A character specifying the directory to Local Repository to/from which artifacts will be pulled/pushed to GitHub.
commitMessage	A character denoting a message added to the commit while performing push. By default specified to NULL which corresponds to commit message <code>archivist: pushGitHubRepo</code> .
repo	A character denoting GitHub repository name and synchronized local existing directory in which an artifact will be saved.
user	A character denoting GitHub user name. Can be set globally with <code>aoptions("user", user)</code> . See <a href="#">archivist-github-integration</a> .

password	A character denoting GitHub user password. Can be set globally with <code>aoptions("password", password)</code> . See <a href="#">archivist-github-integration</a> .
files	A character vector containing directories to files that should be committed and pushed. The working directory is <code>repoDir</code> . By default all uncommitted artifacts and <code>backpack.db</code> will be pushed.
...	Further arguments passed to <a href="#">push</a> or <a href="#">pull</a> .

### Details

To learn more about Archivist Integration With GitHub visit [agithub](#). To check the status (`git status`) of the Repository use `git2r::status(repository(repoDir))`. See examples.

### Note

Bug reports and feature requests can be sent to <https://github.com/MarcinKosinski/archivist.github/issues>

### Author(s)

Marcin Kosinski, <m.p.kosinski@gmail.com>

### References

More about **archivist.github** can be found on [marcinkosinski.github.io/archivist.github/](http://marcinkosinski.github.io/archivist.github/) and about **archivist** in posts' history on <http://pbiecek.github.io/archivist/Posts.html>

### See Also

Other `archivist.github`: [archive](#), [archivist.github-package](#), [authoriseGitHub](#), [cloneGitHubRepo](#), [createGitHubRepo](#), [deleteGitHubRepo](#)

### Examples

```
## Not run:

authoriseGitHub(ClientID, ClientSecret) -> github_token
# authoriseGitHub also does: aoptions("github_token", github_token)
aoptions("user", user.name)
aoptions("password", user.password)

createGitHubRepo("Museum", default = TRUE) # here github_token is used
data(iris)
saveToLocalRepo(iris)
git2r::status(repository('Museum'))
pushGitHubRepo(commitMessage = "add iris")
git2r::status(repository('Museum'))

## End(Not run)
```



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