

Package: GithubActions (via r-universe)

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Type Package

Title Functions to facilitate use of Github Actions via R

Version 0.1.0

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Description Work in progress. Not yet working well.

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Depends httr, curl, jsonlite, restorepoint

Encoding UTF-8

LazyData true

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Repository <https://repboxr.r-universe.dev>

RemoteUrl <https://github.com/repboxr/GithubActions>

RemoteRef main

RemoteSha 994e35299431de41c3ec46bfcc345a936cbefc1

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gh_auth_status	<i>Show authentication status</i>
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Description

Show authentication status

Usage

gh_auth_status()

gh_clone	<i>Clone a repository on Github to a local directory</i>
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Description

Clone a repository on Github to a local directory

Usage

gh_clone(repo, repodir)

gh_download_artifact *Download an artifact generated by a finished job*

Description

Download an artifact generated by a finished job

Usage

```
gh_download_artifact(  
  repo,  
  destfile,  
  artifact_id = NULL,  
  runid = NULL,  
  pat = gh_pat()  
)
```

gh_info_run *Info about a workflow run.*

Description

Info about a workflow run.

Usage

```
gh_info_run(repo, runid, pat = gh_pat())
```

gh_list_artifacts *List all artifacts of a repo List all artifacts of a repo or single run*

Description

List all artifacts of a repo List all artifacts of a repo or single run

Usage

```
gh_list_artifacts(repo, runid = NULL, pat = gh_pat())
```

gh_list_runs *Return all workflow runs*

Description

Return all workflow runs

Usage

```
gh_list_runs(repo, pat = gh_pat())
```

gh_list_run_jobs *Show all jobs of a run. Some functions require the corresponding job id.*

Description

Show all jobs of a run. Some functions require the corresponding job id.

Usage

```
gh_list_run_jobs(repo, runid, pat = gh_pat())
```

gh_list_workflows *Return all workflows of the specified repo*

Description

Return all workflows of the specified repo

Usage

```
gh_list_workflows(repo, pat = gh_pat())
```

gh_login *Login to github with your email and username*

Description

Login to github with your email and username

Usage

```
gh_login(email, username)
```

gh_newest_runid	<i>Get the id if the newest workflow run of a repo.</i>
-----------------	---

Description

Get the id if the newest workflow run of a repo.

Usage

```
gh_newest_runid(repo, pat = gh_pat())
```

gh_new_repo	<i>Create a new repo on github and locally</i>
-------------	--

Description

Create a new repo on github and locally

Usage

```
gh_new_repo(  
  reponame,  
  parentdir,  
  access = c("public", "private")[2],  
  pat = gh_pat()  
)
```

gh_pat	<i>Get personal access token that was previously set b gh_set_pat.</i>
--------	--

Description

Get personal access token that was previously set b gh_set_pat.

Usage

```
gh_pat()
```

gh_remove_branch *Remove a branch from local and github repository*

Description

Remove a branch from local and github repository

Usage

```
gh_remove_branch(repodir, branch)
```

gh_remove_history *Removes all old commits of a branch and only keeps current local files*

Description

Based on <https://superuser.com/questions/926915/how-can-i-delete-old-commits-in-github-via-terminal>
WARNING: Don't use for real code repos, in particular not for repos multiple users work with.

Usage

```
gh_remove_history(repodir, branch = "main")
```

gh_remove_secret *Remove a secret from the repository*

Description

Remove a secret from the repository

Usage

```
gh_remove_secret(repodir, name)
```

gh_run_log *Get log of a particular workflow run*

Description

Get log of a particular workflow run

Usage

```
gh_run_log(repodir, runid)
```

gh_run_workflow	<i>Trigger the specified workflow</i>
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Description

Only works if the workflow YAML file sets

Usage

```
gh_run_workflow(  
  repo,  
  name = NULL,  
  branch = "main",  
  inputs = NULL,  
  pat = gh_pat()  
)
```

Arguments

repo	The repository name in format user/reponame.
name	The name of the workflow. If NULL use the first workflow
branch	The Github branch. By default "main"
inputs	Not yet tested. Potential input parameters passed to the workflow.

Details

on: workflow_dispatch:

gh_set_pat	<i>Set personal access token by writing it into environment variables.</i>
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Description

Set personal access token by writing it into environment variables.

Usage

```
gh_set_pat(pat)
```

Arguments

pat	A string containing the personal access token generated on Github. Not very secure. At some point I should use the approach of the gh package
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gh_set_secret	<i>Set a repository secret using github client</i>
---------------	--

Description

Set a repository secret using github client

Usage

```
gh_set_secret(repodir, name, value)
```

Arguments

repodir	path to your local repository
name	name of the secret
value	of the secret

gh_update	<i>Updates the Github repository to the new content of the local repo directory</i>
-----------	---

Description

Updates the Github repository to the new content of the local repo directory

Usage

```
gh_update(repodir, msg = "update", remote = "origin", branch = "main")
```

gh_wait_until_new_run_starts	<i>Wait until a new Github action job has started</i>
------------------------------	---

Description

Wait until a new Github action job has started

Usage

```
gh_wait_until_new_run_starts(
  repo,
  old_runid,
  pause.sec = 1,
  timeout = 60,
  pat = gh_pat()
)
```

`gh_wait_until_run_completed`

Wait until a new Github action job is completed

Description

Wait until a new Github action job is completed

Usage

```
gh_wait_until_run_completed(  
  repo,  
  runid,  
  pause.sec = 1,  
  timeout = 60 * 60 * 10,  
  pat = gh_pat()  
)
```

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