

Package ‘fgitR’

February 28, 2022

Type Package

Title Using 'FastGit' to Accelerate the Access to 'GitHub'

Version 0.2.0

Description 'FastGit' <<https://doc.fastgit.org/>> works like a mirror of 'GitHub' to make significant acceleration. 'fgitR' is a package to do git operation with 'FastGit' automatically.

License MIT + file LICENSE

Encoding UTF-8

Depends R (>= 3.6.0)

Suggests covr, testthat (>= 3.0.0)

Config/testthat/edition 3

RoxygenNote 7.1.2

Imports httr, devtools, git2r

SystemRequirements Git

BugReports <https://github.com/FastGitORG/fgitR/issues>

NeedsCompilation no

Author Han Chen [aut, cre],
Wanyanhan Jiang [ctb]

Maintainer Han Chen <chenhan28@gmail.com>

Repository CRAN

Date/Publication 2022-02-28 20:10:02 UTC

R topics documented:

fgit_branch	2
fgit_clone	2
fgit_clone_from_url	3
fgit_install	4
func_mk_dir	4
git_repo_extract	5

Index	6
--------------	----------

fgit_branch	<i>List all branch from a repository</i>
-------------	--

Description

List all branch from a repository

Usage

```
fgit_branch(repo)
```

Arguments

repo	The repository's name from GitHub.com
------	---------------------------------------

Value

A vector of branches

Examples

```
## Not run:  
fgit_branch("https://github.com/FastGitORG/fgitR")  
fgit_branch("FastGitORG/fgitR")  
  
## End(Not run)
```

fgit_clone	<i>Git Clone from URL by FastGit</i>
------------	--------------------------------------

Description

Git Clone from URL by FastGit

Usage

```
fgit_clone(  
  repo,  
  dir = tempdir(),  
  branch = NULL,  
  repo_check = TRUE,  
  overwrite = FALSE,  
  verbose = TRUE  
)
```

Arguments

repo	The repository name or url from GitHub.com
dir	The output directory. 'tempdir()' will be used by default.
branch	Clone from which branch.
repo_check	Check the existence of repository
overwrite	Overwrite the exist directories. Default is 'FALSE'
verbose	Verbose logs. Default is 'TRUE'

Value

No return value, called for side effects

Examples

```
## Not run:  
fgit_clone("https://github.com/womeimingzi11/fgitR", overwrite = TRUE)  
fgit_clone("womeimingzi11/fgitR", overwrite = TRUE)  
  
## End(Not run)
```

fgit_clone_from_url *Git Clone by FastGit's URL*

Description

Git Clone by FastGit's URL

Usage

```
fgit_clone_from_url(fgit_url, target_dir, branch = NULL, verbose = TRUE)
```

Arguments

fgit_url	The repository's name from FastGit.org
target_dir	The output directory
branch	Clone from which branch.
verbose	Verbose logs. Default is 'TRUE'

fgit_install *Install package from GitHub by FastGit accelerating*

Description

Install package from GitHub by FastGit accelerating

Usage

```
fgit_install(repo, branch = NULL, repo_check = TRUE)
```

Arguments

repo	The repository name or url from GitHub.com
branch	Install from which branch.
repo_check	Check the existence of repository

Value

No return value, called for side effects

Examples

```
## Not run:  
fgit_install("https://github.com/FastGitORG/fgitR")  
fgit_install("FastGitORG/fgitR")  
  
## End(Not run)
```

func_mk_dir *A function to make directory*

Description

A function to make directory

Usage

```
func_mk_dir(target_dir, overwrite = FALSE, verbose = TRUE)
```

Arguments

target_dir	Path of target Directory
overwrite	Overwrite the exist directories. Default is 'FALSE'
verbose	Verbose logs. Default is 'TRUE'

`git_repo_extract` *Extract the Repository Name from URL or Name*

Description

Extract the Repository Name from URL or Name

Usage

```
git_repo_extract(url_or_repo, repo_check = TRUE)
```

Arguments

`url_or_repo` URL or Name from GitHub.com
`repo_check` Repo Existence Check

Value

Character like user/repository

Index

`fgit_branch`, 2
`fgit_clone`, 2
`fgit_clone_from_url`, 3
`fgit_install`, 4
`func_mk_dir`, 4

`git_repo_extract`, 5