

# Package ‘fgitR’

May 8, 2026

**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.

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**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

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**Repository** CRAN

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

## Contents

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

<b>Index</b>	<b>6</b>
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fgit_branch	<i>List all branch from a repository</i>
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**Description**

List all branch from a repository

**Usage**

```
fgit_branch(repo)
```

**Arguments**

repo	The repository's name from GitHub.com
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**Value**

A vector of branches

**Examples**

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

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fgit_clone	<i>Git Clone from URL by FastGit</i>
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**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)
```

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fgit\_clone\_from\_url    *Git Clone by FastGit's URL*

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**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'

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fgit\_install                      *Install package from GitHub by FastGit accelerating*

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**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)
```

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func\_mk\_dir                      *A function to make directory*

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**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'

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

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**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