

# Package: jenkins (via r-universe)

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**Type** Package

**Title** Simple Jenkins Client for R

**Version** 1.0.9102

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**Description** Manage jobs and builds on your Jenkins CI server  
<<https://jenkins.io/>>. Create and edit projects, schedule  
builds, manage the queue, download build logs, and much more.

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**URL** <https://docs.ropensci.org/jenkins/> (website),  
<https://github.com/ropensci/jenkins>

**BugReports** <https://github.com/ropensci/jenkins/issues>

**Encoding** UTF-8

**Imports** curl, jsonlite

**LazyData** true

**RoxygenNote** 6.1.1

**Roxygen** list(markdown = TRUE)

**Config/pak/sysreqs** libssl-dev

**Repository** <https://ropensci.r-universe.dev>

**RemoteUrl** <https://github.com/ropensci/jenkins>

**RemoteRef** master

**RemoteSha** 2963fcecc5483029a1c6a551b63423035b947f89

## Contents

jenkins . . . . . 2

**Index** 4

jenkins

*Jenkins Client***Description**

Simple client for managing jobs and builds on a Jenkins server. Set a default access token via the JENKINS\_PAT environment variable.

**Usage**

```
jenkins(server = "http://jenkins.ropensci.org", username = "jeroen",
        token = jenkins_pat(), verbose = FALSE)
```

**Arguments**

server	base url of the jenkins server
username	name of the jenkins user to login
token	authentication token (or password) for your jenkins server.
verbose	print http output for debugging

**Methods**

```
## jk <- jenkins('https://ci.yourserver.com')
<jenkins>
  $build_info(job_name, build_id = "lastBuild")
  $build_log(job_name, build_id = "lastBuild")
  $build_stop(job_name, build_id = "lastBuild")
  $node_info(node_name = "master")
  $node_list()
  $project_build(job_name, params = list(KEEP_CACHE = "true"))
  $project_build_all(delay = 0.5, shuffle = FALSE, keep_cache = TRUE, update_universe = FALSE)
  $project_config(job_name)
  $project_create(job_name, xml_string)
  $project_delete(job_name)
  $project_disable(job_name)
  $project_enable(job_name)
  $project_list()
  $project_update(job_name, xml_string)
  $queue_cancel(queue_id)
  $queue_cancel_all()
  $queue_info(queue_id)
  $queue_list()
  $server_info()
  $user_info(user_name = username)
  $user_list()
  $view_create(view_name, xml_string)
```

```
$view_delete(view_name)
$view_info(view_name)
$view_list()
$view_update(view_name, xml_string)
```

## References

<https://wiki.jenkins.io/display/JENKINS/Terminology>

## Examples

```
## Not run: # This requires a jenkins server
jk <- jenkins(server = 'http://jenkins.ropensci.org', username = 'jeroen')

# Do stuff
jk$server_info()
jk$project_build('magick')

# It's now in the queue
jk$queue_list()

# Check build status
jk$build_info('magick')

# Get latest build log
jk$build_log('magick', build_id = 'lastCompletedBuild')

## End(Not run)
```

# Index

jenkins, [2](#)