Package 'rworkflows'

September 14, 2023

```
Type Package
Title Test, Document, Containerise, and Deploy R Packages
Version 0.99.13
Description Reproducibility is essential to the progress of research,
      yet achieving it remains elusive even in computational fields.
      Continuous Integration (CI) platforms offer a powerful way to launch automated workflows
      to check and document code, but often require considerable time, effort,
      and technical expertise to setup. We therefore developed the rworkflows suite
      to make robust CI workflows easy and freely accessible to all R package developers.
      rworkflows consists of 1) a CRAN/Bioconductor-compatible R package template,
      2) an R package to quickly implement a standardised workflow, and
      3) a centrally maintained GitHub Action.
URL https://github.com/neurogenomics/rworkflows, https:
      //CRAN.R-project.org/package=rworkflows
BugReports https://github.com/neurogenomics/rworkflows/issues
Encoding UTF-8
biocViews WorkflowManagement
Depends R (>= 4.1)
Imports stats,
      here,
      yaml,
      utils,
      desc,
      badger,
      renv,
      tools,
      methods,
      BiocManager,
      data.table
Suggests markdown,
      rmarkdown,
      remotes,
      knitr,
      covr,
      testthat (>= 3.0.0),
      htmltools,
```

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jsonlite,
BiocStyle,
BiocPkgTools,
biocViews

VignetteBuilder knitr
License GPL-3

Config/testthat/edition 3

LazyData true

RoxygenNote 7.2.3.9000

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biocpkgtools_db

Static Bioc packages list

Description

A static snapshot of all Bioconductor packages from biocPkgList. Last updated: Sept. 06 2023

Usage

```
data("biocpkgtools_db")
```

Format

An object of class data.table (inherits from data.frame) with 100 rows and 53 columns.

bioc_r_versions 3

Source

bioc_r_versions

Bioconductor / R versions

Description

Get the respective version of R for a given version of Bioconductor.

Usage

```
bioc_r_versions(bioc_version = NULL, depth = NULL, return_opts = FALSE)
```

Arguments

bioc_version

Version of Bioc to return info for. Can be:

- "devel"Get the current development version of Bioc.
- "release"Get the current release version of Bioc.
- <numeric>A specific Bioc version number (e.g. 3.16).
- NULLReturn info for all Bioc versions.

depth

How many levels deep into the R version to include. For example, is the R version number is "4.2.0", the following depths would return:

• depth=NULL: "4.2.0"

• depth=1: "4"

• depth=2: "4.2"

• depth=3: "4.2.0"

return_opts

Return a character vector of all valid Bioc version names.

Value

Named list of Bioc/R versions

```
ver <- bioc_r_versions(bioc_version="devel")</pre>
```

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construct_authors

Construct authors

Description

Helper function to construct an author list for a *DESCRIPTION* file. Returns a template when authors is not provided (default).

Usage

```
construct_authors(
  authors = NULL,
  template = c(utils::person(given = "yourGivenName", family = "yourFamilyName", role =
    c("cre"), email = "yourEmail@email.com", comment = c(ORCID = "yourOrcidId")))
)
```

Arguments

authors

A list of authors who contributed to your R package, each provided as objects of class person. By default, if an Authors field already exists in the *DESCRIP-TION* file, the original values are kept. Otherwise, a template person list is

created using the construct_authors.

template

Default value to return when authors=NULL.

Value

Named list in person format.

Examples

```
authors <- construct_authors()</pre>
```

construct_cont

Construct containers list

Description

Construct containers list

Usage

```
construct_cont(
  default_cont = "bioconductor/bioconductor_docker",
  default_tag = "devel",
  cont = list(paste(default_cont, default_tag, sep = ":"), NULL, NULL),
  versions_explicit = FALSE,
  run_check_cont = FALSE,
  verbose = TRUE
)
```

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Arguments

default_cont The DockerHub container to default to. Used when it's detected that only the tag has been given in one or more cont entry.

default_tag The DockerHub container tag to default to.

cont Which Docker container to use on each OS (NULL means no container will be used for that OS). See here for a list of all official Bioconductor Docker container versions.

versions_explicit Specify R/Bioc versions explicitly (e.g. r: 4.2.0, bioc: 3.16) as opposed to flexibly (e.g. r: "latest", bioc: "release").

run_check_cont Check whether the requested container repo (and the tag, if specified) exist using

check_cont.
verbose Print messages.

Value

Named list of containers

Examples

```
cont <- construct_cont()</pre>
```

construct_runners

Construct runners

Description

Construct runner configurations across multiple Operating Systems (OS) for GitHub Actions workflow.

Usage

 $dt_{to_{desc}}$

Arguments

os Which OS to launch GitHub Actions on.

bioc Which Bioconductor version to use on each OS. See bioc_r_versions documen-

tation for all options.

r Which R version to use on each OS.

versions_explicit

Specify R/Bioc versions explicitly (e.g. r: 4.2.0, bioc: 3.16) as opposed to

flexibly (e.g. r: "latest", bioc: "release").

run_check_cont Check whether the requested container repo (and the tag, if specified) exist using

check_cont.

cont Which Docker container to use on each OS (NULL means no container will be

used for that OS). See here for a list of all official Bioconductor Docker container

versions.

rspm Which R repository manager to use on each OS (NULL means the default will be

used for that OS).

verbose Print messages.

Value

Named list of configurations for each runner OS.

Examples

```
runners <- construct_runners()</pre>
```

dt_to_desc

data.table to desc

Description

Convert data.table containing the parsed *DESCROPTION* file data and convert each of them to to desc format.

Usage

```
dt_to_desc(db, refs = NULL, verbose = TRUE)
```

Arguments

db A data.table where each row is a different R package and each column is a field

from the DESCROPTION file.

refs Reference for one or more GitHub repository in owner/repo format (e.g."neurogenomics/rworkflow

or an R package name (e.g. "rworkflows").

verbose Print messages.

Value

A named list of desc objects.

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Examples

```
#### Updated data ####
# db <- BiocPkgTools::biocPkgList()
#### Static data ####
db <- rworkflows::biocpkgtools_db
dl <- dt_to_desc(db=db, refs="ABSSeq")</pre>
```

fill_description

Fill DESCRIPTION

Description

Fill out a *DESCRIPTION* file, such as (but not limited to) the one provided by the templateR R package template. For any given field, set its corresponding argument as follows to get certain behaviour:

- NULL: Keeps the current value.
- NA: Removes the field from the *DESCRIPTION* file entirely.

Usage

```
fill_description(
 path = here::here("DESCRIPTION"),
 package,
  title,
 description,
 github_owner = NULL,
 github_repo = package,
 authors = construct_authors(authors = NULL),
 depends = paste0("R ", "(>= ", bioc_r_versions(bioc_version = "devel", depth = 2)$r,
    ")"),
  imports = infer_deps(which = "Imports", add_newlines = TRUE),
  suggests = infer_deps(which = "Suggests", add_newlines = TRUE),
 remotes = NULL,
  version = NULL,
 license = NULL,
 encoding = NULL,
  vignettebuilder = NULL,
 biocviews = infer_biocviews(pkgdir = dirname(path), add_newlines = TRUE),
 url = paste0("https://github.com/", github_owner, "/", github_repo),
 bugreports = paste0(url, "/issues"),
  save_path = path,
 verbose = TRUE,
 fields = list()
)
```

Arguments

```
path Path to the DESCRIPTION file.

package The name of your R package.

title The title of your R package.
```

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description The description of your R package. The owner of your R package's GitHub repository. Can be inferred from the URL github_owner field in the DESCRIPTION file if this has already been filled out. The name of your R package's GitHub repository. github_repo authors A list of authors who contributed to your R package, each provided as objects of class person. By default, if an Authors field already exists in the DESCRIP-TION file, the original values are kept. Otherwise, a template person list is created using the construct_authors. R package Depends. Defaults to the version of R that the current development depends version of Bioconductor depends on. imports R package Imports. These dependencies will be automatically installed with your R package. R package Suggests. These dependencies will NOT be automatically installed suggests with your R package, unless otherwise specified by users during installation remotes R package Remotes The current version of your R package (e.g 0.99.0). version R package license. See here for guidance. license encoding R package Encoding. vignettebuilder R package VignetteBuilder. biocviews Standardised biocViews terms used to describe your package. Defaults to automatically recommending terms using the infer_biocviews function. Note that non-Bioconductor packages (e.g. CRAN) can also use this field. url URL where your R package is distributed from (e.g. GitHub repository, Bioconductor page, and/or CRAN page). Can be a single character string or a character vector. bugreports A URL where users of your package should go if they encounter bugs or have feature requests. Path to save the updated *DESCRIPTION* file to. Defaults to overwriting the save_path input file (path). Set to NULL if you wish to only return the description object without writing to any file. verbose Print messages. fields A named list of additional fields to fill the DESCRIPTION file with: e.g. list(RoxygenNote=7.2.3)

Value

An object of class description.

```
#### Get example DESCRIPTION file ####
url <- "https://github.com/neurogenomics/templateR/raw/master/DESCRIPTION"
path <- tempfile(fileext = "DESCRIPTION")
utils::download.file(url,path)

#### Fill out DESCRIPTION file ####
d <- fill_description(
  path = path,</pre>
```

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```
package = "MyPackageName",
title = "This Package Does Awesome Stuff",
description = paste(
 "MyPackageName does several awesome things.",
 "Describe thing1.",
 "Describe thing2."
 "Describe thing3."
),
github_owner = "OwnerName",
biocviews = c("Genetics", "SystemsBiology"))
```

get_description

Get DESCRIPTION

Description

The Liam Neeson of DESCRIPTION file functions.

- 1. I will look for you,
- 2. I will find you,
- 3. —and I will import you into a neatly parsed R object.

Uses a variety of alternative methods, including searching locally and on GitHub (whenever possible). Prioritises the fastest methods that do not involve downloading files first.

Usage

```
get_description(
  refs = NULL,
  paths = here::here("DESCRIPTION"),
  db = NULL,
  cache_dir = tools::R_user_dir(package = "rworkflows", which = "cache"),
  force_new = FALSE,
  use_wd = TRUE,
  use_repos = FALSE,
  verbose = TRUE
```

Arguments

refs	Reference for one or more GitHub repository in owner/repo format (e.g. "neurogenomics/rworkflow or an R package name (e.g. "rworkflows").
paths	Paths to DESCRIPTION file(s) R package(s).
db	A data.table of R package metadata generated by biocPkgList.
cache_dir	Directory where to cache downloaded files.
force_new	Ignore cached files and re-download them instead.
use_wd	Search the local working directory (and the one above it) for DESCRIPTION

Search the local working directory (and the one above it) for DESCRIPTION

Use R standard R package repositories like CRAN and Bioc to find DESCRIPuse_repos

TION files.

Print messages. verbose

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Value

A named list of packageDescription objects.

Examples

```
d <- get_description(refs="neurogenomics/rworkflows")</pre>
```

get_hex

Get hex

Description

Get the URL of a hex sticker for a given R package (if one exists).

Usage

```
get_hex(
  refs = NULL,
  paths = here::here("DESCRIPTION"),
  hex_path = "inst/hex/hex.png",
  branch = c("master", "main", "dev"),
  hex_height = 300,
  check_url = TRUE,
  add_html = TRUE,
  verbose = TRUE
)
```

Arguments

paths

refs Reference for one or more GitHub repository in owner/repo format (e.g. "neurogenomics/rworkflow or an R package name (e.g. "rworkflows").

Paths to *DESCRIPTION* file(s) R package(s).

hex_path Path to hex sticker file.

branch Name of the GitHub repository branch to use.

hex_height Height of the hex sticker in pixels (when add_hex=TRUE).

check_url Check whether the URL actually exists.

add_html Wrap the URL in an html "img" tag and set its height with hex_height.

verbose Print messages.

Value

URL

infer_biocviews 11

infer_biocviews	Infer biocViews
-----------------	-----------------

Description

Infer the best terms to fill the biocViews field in your *DESCRIPTION* file based on the code within your R package. By default, also includes any biocViews that are already present in the *DESCRIPTION* file. Please see the **Bioconductor website** for more details.

Usage

```
infer_biocviews(
  pkgdir = here::here(),
  branch = c("Software", "AnnotationData", "ExperimentData")[1],
  type = c("recommended", "current", "remove"),
  keep_current = TRUE,
  include_branch = TRUE,
  biocviews = NULL,
  add_newlines = FALSE,
  verbose = TRUE
)
```

Arguments

The path of the package Directory. pkgdir The branch which your package will belong to. It can be either 'Software', branch 'AnnotationData' or 'ExperimentData'. Which element of the recommendBiocViews results list to return. If a vector is type supplied, only the first value will be used. Keep any biocViews terms that are already included in the *DESCRIPTION* file. keep_current include_branch Whether to include the branch argument as one of the returned biocViews. User-supplied biocViews terms to include in addition to the automated recombiocviews mendations. add_newlines Prefix each package name with a newline character and two spaces. This is useful for formatting DESCRIPTION files.

Value

A character vector of biocviews.

Print messages.

Examples

verbose

```
## Don't run simply bc biocViews::recommendBiocViews is unable
## to find the DESCRIPTION file when running examples.
## Not run:
biocviews <- infer_biocviews()
## End(Not run)</pre>
```

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infer_deps

Infer dependencies

Description

Infers the R packages that your R package depends on.

Usage

```
infer_deps(
  path = here::here(),
  which = c("Imports", "Suggests"),
  imports_thresh = 2,
  imports = NULL,
  suggests = c("testthat", "rmarkdown", "markdown", "knitr", "remotes", "knitr", "covr"),
  errors = c("reported", "fatal", "ignored"),
  dev = FALSE,
  progress = TRUE,
  add_newlines = FALSE
)
```

Arguments

path The path to a (possibly multi-mode) R file, or a directory containing such files.

By default, all files within the current working directory are checked, recur-

sively.

which Which types of dependencies to return.

imports_thresh The minimum number of times that a package has to be called within your pack-

age to assign it as an Import. If is called less times than this threshold, it will instead be assigned as a Suggest, which means it will not be installed by default.

imports R packages that are exempt from the suggests_thresh rule and are instead

automatically assigned as Imports.

suggests R packages that are exempt from the suggests_thresh rule and are instead

automatically assigned as Suggests.

errors How should errors that occur during dependency enumeration be handled? See

Errors for more details.

dev Boolean; include 'development' dependencies as well? That is, packages which

may be required during development but are unlikely to be required during runtime for your project. By default, only runtime dependencies are returned.

progress Boolean; report progress output while enumerating dependencies?

add_newlines Prefix each package name with a newline character and two spaces. This is

useful for formatting DESCRIPTION files.

Value

A character vector of R package names.

```
deps <- infer_deps()</pre>
```

is_gha

Description

Tests whether a function is currently being run within a GitHub Actions workflow or not.

Usage

```
is_gha(var = "GITHUB_ACTION", verbose = TRUE)
```

Arguments

var Environmental variable to check.

verbose Print messages.

Value

Boolean

Source

GitHub Actions docs

Examples

is_gha()

use_badges

Use badges

Description

Create one or more badges showing the status of your R package. Uses the package badger.

Usage

```
use_badges(
  ref = NULL,
  add_hex = TRUE,
  add_actions = "rworkflows",
  add_doi = NULL,
  add_lifecycle = FALSE,
  add_github_version = TRUE,
  add_commit = TRUE,
  add_code_size = TRUE,
  add_license = TRUE,
  add_authors = TRUE,
  add_codecov = TRUE,
  add_codecov_graphs = "icicle",
```

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```
add_bioc_release = FALSE,
add_bioc_download_month = FALSE,
add_bioc_download_total = FALSE,
add_bioc_download_rank = FALSE,
add_cran_release = FALSE,
add_cran_checks = FALSE,
add_cran_download_month = FALSE,
add_cran_download_total = FALSE,
branch = "master",
as_list = FALSE,
sep = "\n",
hex_height = 300,
codecov_graph_width = 200,
colors = list(github = "black", bioc = "green", cran = "black", default = "blue",
  lifecycle = NULL),
verbose = TRUE
```

Arguments

ref Reference for a GitHub repository. If NULL (the default), the reference is deter-

mined by the URL field in the DESCRIPTION file.

add_hex Add a hex sticker. If add_hex=TRUE, will assume the sticker is located at the

following relative path: "inst/hex/hex.png". If add_hex is a character string, this will instead be used as the relative hex path (e.g. "/images/mysticker.png").

add_actions The name of one or more GitHub Actions to show the status for with badge_github_actions

(e.g. c("rworkflows","rworkflows_static")).

add_doi Add the DOI of a given package or publication associated with the package us-

ing badge_doi. Must be provided as a character string, e.g.: "10.1111/2041-210X.12628"

add_lifecycle Add package lifecycle stage. If not FALSE, must be a character string indicating

one of the following valid lifecycle stage:

• "stable"

· "deprecated"

• "superseded"

• "experimental"

See lifecycle.r-lib.org for further details.

add_github_version

Add package version with badge_github_version.

add_commit Add the last GitHub repo commit date with badge_last_commit.

add_code_size Add code size with badge_code_size.
add_license Add license info with badge_license.

add_authors Add author names inferred from the DESCRIPTION file.

add_codecov Add Codecov status with badge_codecov. See the Codecov site for more infor-

mation about these badges.

add_codecov_graphs

Add Codecov graphs visualising results of code coverage tests. Options include:

- "sunburst"
- "tree"

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• "icicle"

See the Codecov site for more information about each plot type.

add_bioc_release

Add Bioc release version with badge bioc release.

add_bioc_download_month

Add the number of Bioc downloads last month badge_bioc_download.

add_bioc_download_total

Add the number of Bioc downloads total badge_bioc_download.

add_bioc_download_rank

Add the download rank of the package on Bioc badge_bioc_download_rank.

add_cran_release

Add Bioc release version with badge_cran_release.

add_cran_checks

Add whether package is passing all checks on CRAN with badge_cran_checks.

add_cran_download_month

Add the number of CRAN downloads last month badge_cran_download.

add_cran_download_total

Add the number of CRAN downloads total badge_cran_download.

branch Name of the GitHub repository branch to use.

as_list Return the header as a named list (TRUE), or a collapsed text string (default:

FALSE).

sep Character to separate each item in the list with using paste.

hex_height Height of the hex sticker in pixels (when add_hex=TRUE).

codecov_graph_width

Width of each Codecov graph in pixels (when add_codecov_graph!=FALSE).

colors Colors to assign to each group of badges (when possible).

verbose Print messages.

Value

A named list of selected badges in markdown format.

Examples

```
badges <- rworkflows::use_badges(ref = "neurogenomics/rworkflows")</pre>
```

Description

Creates a Docker file to be used with the GitHub Actions (GHA) workflows distributed by **rworkflows**.

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Usage

```
use_dockerfile(
  save_dir = here::here(),
  path = file.path(save_dir, "Dockerfile"),
  force_new = FALSE,
  show = FALSE,
  verbose = TRUE
)
```

Arguments

save_dir Directory to save the Docker file to.

path Path to the Docker file.

force_new If a Docker file already exists, overwrite it (default: FALSE). show Print the contents of the Docker file in the R console.

verbose Print messages.

Value

Path to Docker file.

Examples

```
path <- use_dockerfile(save_dir=tempdir())</pre>
```

Description

Creates one or more Issue Templates to be used in a GitHub repository.

Usage

```
use_issue_template(
  templates = c("bug_report.md", "feature_request.md"),
  save_dir = here::here(".github", "ISSUE_TEMPLATE"),
  path = file.path(save_dir, templates),
  force_new = FALSE,
  show = FALSE,
  verbose = TRUE
)
```

Arguments

templates The names of templates to be used. save_dir Directory to save the Docker file to.

path Path to the Docker file.

force_new If a Docker file already exists, overwrite it (default: FALSE). show Print the contents of the Docker file in the R console.

verbose Print messages.

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Value

Path to Issue Templates.

Examples

```
path <- use_issue_template(save_dir=tempdir())</pre>
```

use_readme

Use README

Description

Creates an rmarkdown README file that autofills using metadata from the R package *DESCRIP-TION* file.

Usage

```
use_readme(
  save_dir = here::here(),
  path = file.path(save_dir, "README.Rmd"),
  force_new = FALSE,
  show = FALSE,
  verbose = TRUE
)
```

Arguments

save_dir Directory to save the vignette file to.

path Path to the vignette file.

force_new If the file already exists, overwrite it (default: FALSE). show Print the contents of the vignette file in the R console.

verbose Print messages.

Value

Path to README file.

```
## use default save_dir in practice
path <- use_readme(save_dir = tempdir())</pre>
```

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use_vignette_docker Use vignette: Docker

Description

Creates a vignette rmarkdown file demonstrates how to create a Docker/Singularity image from a container stored in Dockerhub.

Usage

```
use_vignette_docker(
  docker_org,
  title = "Docker/Singularity Containers",
  vignette_index_entry = "docker",
  save_dir = here::here(),
  path = file.path(save_dir, "vignettes", "docker.Rmd"),
  output = "BiocStyle::html_document",
  port_in = 8787,
  port_out = 8900,
  force_new = FALSE,
  show = FALSE,
  verbose = TRUE
)
```

Arguments

docker_org DockerHub organization name. Can simply be your Dockerhub username in-

stead.

title Title of vignette.

vignette_index_entry

Index entry of the vignette, which is used when creating the navigation bar in

the pkgdown site.

save_dir Directory to save the vignette file to.

path Path to the vignette file.

output Vignette output style. Defaults to https://html.document.

port_in Port number to route into the docker container. See the Docker docs for further

details.

port_out Port number to route out of docker container. See the Docker docs for further

details.

force_new If the file already exists, overwrite it (default: FALSE). show Print the contents of the vignette file in the R console.

verbose Print messages.

Value

Path to vignette file.

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Examples

```
use_vignette_getstarted
```

Use vignette: Get started

Description

Creates a "Get started" rmarkdown vignette file.

Usage

```
use_vignette_getstarted(
  package,
  title = "Get started",
  vignette_index_entry = package,
  save_dir = here::here(),
  path = file.path(save_dir, "vignettes", paste0(package, ".Rmd")),
  output = "BiocStyle::html_document",
  force_new = FALSE,
  show = FALSE,
  verbose = TRUE
)
```

Arguments

package R package name.
title Title of vignette.

vignette_index_entry

Index entry of the vignette, which is used when creating the navigation bar in

the pkgdown site.

save_dir Directory to save the vignette file to.

path Path to the vignette file.

output Vignette output style. Defaults to <a href="https://html.google.com/htm

verbose Print messages.

Value

Path to vignette file.

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use_workflow

Use GitHub Actions workflow

Description

Create workflow that calls an rworkflows GitHub Actions (GHA)

Usage

```
use_workflow(
  template = "rworkflows",
  name = template,
  tag = "@master",
  on = c("push", "pull_request"),
  branches = c("master", "main", "devel", "RELEASE_**"),
  runners = construct_runners(),
  run_bioccheck = FALSE,
  run_rcmdcheck = TRUE,
  as_cran = TRUE,
  run_vignettes = TRUE,
  has_testthat = TRUE,
  run_covr = TRUE,
  run_pkgdown = TRUE,
  has_runit = FALSE,
  has_latex = FALSE,
  tinytex_installer = "TinyTeX-1",
  tinytex_version = "",
  run_docker = FALSE,
  github_token = "${{ secrets.GITHUB_TOKEN }}",
  docker_user = NULL,
  docker_org = docker_user,
  docker_token = "${{ secrets.DOCKER_TOKEN }}",
  cache_version = "cache-v1",
  enable_act = FALSE,
  save_dir = here::here(".github", "workflows"),
  return_path = TRUE,
  force_new = FALSE,
  preview = FALSE,
  verbose = TRUE
)
```

Arguments

template

Workflow template name.

- "rworkflows" A short workflow script that calls the GitHub action from the GitHub Marketplace. The action is continually updated so users do not need to worry about maintaining it.
- "rworkflows_static" A longer workflow scripts that explicitly copies all steps
 from the rworkflows action into a static file. Users may need to update this
 file themselves over time, though this does allow for a fully customisable
 workflow.

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name An arbitrary name to call the workflow.

tag Which version of the rworkflows action to use. Can be a branch name on the

GitHub repository (e.g. "\@master"), or a Release Tag (e.g. "\@v1").

on GitHub trigger conditions. branches GitHub trigger branches.

runners Runner configurations for multiple Operating Systems (OS), including R ver-

sions, Bioc versions, and container sources. Can use the construct_runners func-

tions to assist in constructing customized runners configurations.

run_bioccheck Run Bioconductor checks using BiocCheck::BiocCheck(). Must pass in order

to continue workflow.

run_rcmdcheck Run R CMD checks using rcmdcheck::rcmdcheck(). Must pass in order to

continue workflow.

as_cran When running R CMD checks, use the '-as-cran' flag to apply CRAN standards

run_vignettes Build and check R package vignettes. has_testthat Run unit tests and report results.

run_covr Run code coverage tests and publish results to codecov.

run_pkgdown Knit the *README.Rmd* (if available), build documentation website, and deploy

to gh-pages branch.

has_runit Run R Unit tests.

other documentation files.

tinytex_installer

Which release of tinytex (bundles of LaTeX packages) to use. All options can be found here. Note, 'TinyTeX-2' is only available for tinytex_version='daily'.

tinytex_version

Which version of tinytext to use. When set to ", uses the latest daily build. All

versions can be found here.

run_docker Whether to build and push a Docker container to DockerHub.

github_token GitHub authentication token with permissions to push to the R package's GitHub

repository. Also used to bypass GitHub download limits. By default, uses {{ secrets.GITHUB_TOKEN }} which is automatically set up by GitHub. However users can also choose to pass a custom GitHub secret variable (e.g. {{ secrets.PAT_GITHUB }}) which allows access to private repositories. Read here

for more details.

docker_user DockerHub username.

docker_org DockerHub organization name. Is the same as docker_user by default.

docker_token DockerHub token.

cache_version Name of the cache sudirectory to be used when reinstalling software in GHA.

enable_act Whether to add extra lines to the yaml to enable local workflow checking with

act.

save_dir Directory to save workflow to.

return_path Return the path to the saved yaml workflow file (default: TRUE), or return the

yaml object directly.

force_new If the GHA workflow yaml already exists, overwrite with new one (default:

FALSE).

preview Print the yaml file to the R console.

verbose Print messages.

22 use_workflow

Value

Path or yaml object.

Source

```
Issue reading in "on:"/"y","n" elements.
Issue writing "on:" as "'as':"
```

```
\verb|path <- use_workflow(save_dir = file.path(tempdir(),".github","workflows"))| \\
```

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