Package 'bcgovr'

September 22, 2024

Type Package

Title Set Up of 'bcgov' R Projects & Packages

Version 1.0.5.9999

Description The 'bcgovr' package provides functions and RStudio Addins that automate the creation and set up of bcgov R projects and packages that meet bcgov GitHub requirements.

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URL https://github.com/bcgov/bcgovr

BugReports https://github.com/bcgov/bcgovr/issues

Depends R (>= 3.2.0)

Imports stats,
clisymbols (>= 1.2.0),
crayon (>= 1.3.4),
git2r (>= 0.23.0),
miniUI (>= 0.1),
rstudioapi (>= 0.7.0),
shiny (>= 1.0),
usethis (>= 1.4.0)

Suggests testthat,
roxygen2,
rmarkdown

LazyData true

RoxygenNote 7.1.2

Roxygen list(markdown = TRUE)

Encoding UTF-8

R topics documented:

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check_licence_header   *Check for presence of a licence header (Apache 2.0 or CC-BY) in one or more files*

Description

Check for presence of a licence header (Apache 2.0 or CC-BY) in one or more files

Usage

```
check_licence_header(files, licence = c("apache2", "cc-by"))
```

Arguments

files	path to a file
licence	which licence header to check for? One of c("apache2", "cc-by")

Value

named logical vector indicating if each file has the specified licence header

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create_bcgov_package   *Create a bcgov R package directory structure*

Description

Create a package directory structure for a new bcgov R package in your current working directory.

Usage

```
create_bcgov_package(
  path = ".",
  rmarkdown = TRUE,
  coc_email = get_coc_email(),
  rstudio = rstudioapi::isAvailable(),
  open = TRUE
)
```

Arguments

`path`	Path to the directory in which to initialize the project. Default `"."` - your current working directory.
`rmarkdown`	Should an Rmarkdown file be added to the repository with its corresponding markdown file? Default `TRUE`.
`coc_email`	Contact email address(es) for the Code of Conduct. It is recommended that you save this setting by adding a line like: `options("bcgovr.coc.email" = "your.email@gov.bc.ca")` to your `.Rprofile`. Use `usethis::edit_r_profile()` for an easy way to find and edit this file.
`rstudio`	If `TRUE`, calls `usethis::use_rstudio()` to make the new project into an RStudio Project. If `FALSE`, a `.here` file is created so that the directory can be recognized as a project by the `here` or `rprojroot` packages.
`open`	If TRUE and in RStudio, the new project is opened in a new instance, if possible, or is switched to, otherwise.

Examples

```
## Not run:
 bcgovr::create_bcgov_package()

## End(Not run)
```

---

create_bcgov_project   *Create a bcgov R project directory structure*

Description

Create a project directory structure for a new bcgov R project in your current working directory.

Usage

```
create_bcgov_project(
  path = ".",
  rmarkdown = FALSE,
  licence = "apache2",
  coc_email = get_coc_email(),
  dir_struct = getOption("bcgovr.dir.struct", default = NULL),
  rstudio = rstudioapi::isAvailable(),
  open = TRUE
)
```

Arguments

`path`	Path to the directory in which to initialize the project. Default `"."` - your current working directory.
`rmarkdown`	Should an Rmarkdown file be added to the repository with its corresponding markdown file? Default `FALSE`.
`licence`	Which licence to apply? Default is Apache 2.0 (`"apache2"`). Use `"cc-by"` for Creative Commons Attribution 4.0

coc_email   Contact email address(es) for the Code of Conduct. It is recommended that
                   you save this setting by adding a line like: options("bcgovr.coc.email" =
                   "your.email@gov.bc.ca") to your .Rprofile. Use usethis::edit_r_profile()
                   for an easy way to find and edit this file.

dir_struct   Alternative project directory structure. This should be specified as a charac-
                   ter vector of directory (i.e. folders) and file paths, relative to the root of the
                   project. Directories should be identified by having a trailing forward-slash (e.g.,
                   "dir/").

                   The default is: c("R/", "data/", "out/", "01_load.R", "02_clean.R", "03_analysis.R",
                   "04_output.R", "run_all.R").

                   This can also be set as an option bcgovr.dir.struct. You may want to set
                   this in your .Rprofile file so that every time you start a new project, your cus-
                   tom project structure is set up. The line in your .Rprofile file would look
                   something like this: options("bcgovr.dir.struct" = c("doc/", "data/",
                   "results/", "src/01_load.R", "src/02_clean.R", "src/03_analysis.r",
                   "src/04_output.R", "src/run_all.R"))

rstudio   If TRUE, calls usethis::use_rstudio() to make the new project into an RStu-
                   dio Project. If FALSE, a .here file is created so that the directory can be recog-
                   nized as a project by the here or rprojroot packages.

open   If TRUE and in RStudio, the new project is opened in a new instance, if possible,
                   or is switched to, otherwise.

Examples

```
## Not run:
 bcgovr::create_bcgov_project()

## End(Not run)
```

---

create_from_bcgov_github

Create a local repository from a bcgov GitHub repository

Description

Creates a new local Git repository cloned from a bcgov GitHub repository

Usage

```
create_from_bcgov_github(repo, destdir = ".", protocol = "https", ...)
```

Arguments

repo   bcgov GitHub repo name specified like this: bcgov/reponame
destdir   The destination directory where the cloned project will be stored locally
protocol   Transfer protocol. One of 'https' (default) or 'ssh'.
...   Other arguments passed on to usethis::create_from_github()

Examples

```
## Not run:
create_from_bcgov_github("bcgov/bcgovr")

## End(Not run)
```

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insert_bcgov_apache_header

Add the boilerplate Apache header to the top of a source code file

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Description

Add the boilerplate Apache header to the top of a source code file

Usage

```
insert_bcgov_apache_header(file, year = format(Sys.Date(), "%Y"))
```

Arguments

file	Path to the file
year	The year the licence should apply (Default current year)

See Also

[use_bcgov_licence()](#) [insert_bcgov_cc_header()](#)

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insert_bcgov_cc_header

Add the boilerplate Creative Commons Attribution 4.0 (CC-BY) header to the top of a source code file

---

Description

Add the boilerplate Creative Commons Attribution 4.0 (CC-BY) header to the top of a source code file

Usage

```
insert_bcgov_cc_header(file, year = format(Sys.Date(), "%Y"))
```

Arguments

file	Path to the file
year	The year the licence should apply (Default current year)

See Also

[use_bcgov_licence()](#) [insert_bcgov_cc_header()](#)

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insert_bcgov_devex_badge

This   function   is   deprecated,   use   the
insert_bcgov_lifecycle_badge *function.*

Description

Add html for inserting a BC DevExchange project state badge

Usage

```
insert_bcgov_devex_badge(project_state, cat = TRUE)
```

Arguments

project_state	One of: 'inspiration', 'exploration', 'dormant', 'delivery' or 'retired'
cat	Use cat to print the result (TRUE; default) or return a character vector (FALSE)?

Value

html

---

insert_bcgov_lifecycle_badge

Add html for inserting a bcgov project lifecycle badge

Description

Add html for inserting a bcgov project lifecycle badge

Usage

```
insert_bcgov_lifecycle_badge(project_state, cat = TRUE)
```

Arguments

project_state	One of: 'experimental', 'maturing', 'dormant', 'stable' or 'retired'. A lifecycle badge can be included in a readme to indicate the current state of a project. Recognized project states are described at https://github.com/bcgov/repomountie/blob/master/doc/lifecycle-badges.md
cat	Use cat to print the result (TRUE; default) or return a character vector (FALSE)?

Value

html

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use_bcgov_code_of_conduct

Add a CODE_OF_CONDUCT.md file to the project directory

Description

Add a CODE_OF_CONDUCT.md file to the project directory

Usage

```
use_bcgov_code_of_conduct(coc_email = get_coc_email())
```

Arguments

coc_email   Contact email address(es) for the Code of Conduct. It is recommended that
              you save this setting by adding a line like: options("bcgovr.coc.email" =
              "your.email@gov.bc.ca") to your .Rprofile. Use usethis::edit_r_profile()
              for an easy way to find and edit this file.

Value

TRUE (invisibly)

See Also

use_bcgov_readme(), use_bcgov_licence(), use_bcgov_contributing()

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use_bcgov_contributing

Add a CONTRIBUTING.md file to the project directory

Description

Add a CONTRIBUTING.md file to the project directory

Usage

```
use_bcgov_contributing()
```

Value

TRUE (invisibly)

See Also

use_bcgov_readme(), use_bcgov_licence(), use_bcgov_code_of_conduct()

---

use_bcgov_git   *Initialise a Git repository, with bcgov GitHub requirements*

Description

Initialise a Git repository, with bcgov GitHub requirements

Usage

```
use_bcgov_git(
  rmarkdown = TRUE,
  licence = "apache2",
  coc_email = get_coc_email(),
  message = "Initial commit"
)
```

Arguments

rmarkdown	Should an Rmarkdown file be added to the repository with its corresponding markdown file? Default FALSE.
licence	Which licence to apply? Default is Apache 2.0 ("apache2"). Use "cc-by" for [Creative Commons Attribution 4.0](#)
coc_email	Contact email address(es) for the Code of Conduct. It is recommended that you save this setting by adding a line like: options("bcgovr.coc.email" = "your.email@gov.bc.ca") to your .Rprofile. Use [usethis::edit_r_profile()](#) for an easy way to find and edit this file.
message	git commit message

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use_bcgov_gitattributes
                                 Add an R-flavoured .gitattributes file

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Description

Adds a .gitattributes file that will identify the repository as an R-based code project even if many lines of another language are present.

Usage

```
use_bcgov_gitattributes()
```

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use_bcgov_github *Add your project to bcgov GitHub*

Description

This function requires that your project already be a Git repository. Use `use_bcgov_git()` to initialise a repository if necessary.

Usage

```
use_bcgov_github(
  organisation = "bcgov",
  rmarkdown = TRUE,
  licence = "apache2",
  coc_email = get_coc_email(),
  protocol = "https",
  ...
)
```

Arguments

organisation	GitHub organisation where the repo will be hosted. One of `'bcgov'` (default), `'bcgov-c'`, or `NULL` to set up in your personal GitHub account
rmarkdown	Should an Rmarkdown file be added to the repository with its corresponding markdown file? Default `FALSE`.
licence	Which licence to apply? Default is Apache 2.0 (`"apache2"`). Use `"cc-by"` for Creative Commons Attribution 4.0
coc_email	Contact email address(es) for the Code of Conduct. It is recommended that you save this setting by adding a line like: `options("bcgovr.coc.email" = "your.email@gov.bc.ca")` to your `.Rprofile`. Use `usethis::edit_r_profile()` for an easy way to find and edit this file.
protocol	Transfer protocol. One of `'https'` (default) or `'ssh'`.
...	Other arguments passed on to `usethis::use_github()`

---

use_bcgov_licence *Add a LICENCE file (Apache 2.0 or CC-BY) to the project directory*

Description

Add a LICENCE file (Apache 2.0 or CC-BY) to the project directory

Usage

```
use_bcgov_licence(licence = c("apache2", "cc-by"))

use_bcgov_license(licence = c("apache2", "cc-by"))
```

Arguments

licence	Which licence to apply? Default is Apache 2.0 (″apache2″). Use ″cc-by″ for [Creative Commons Attribution 4.0](#)

See Also

[use_bcgov_readme()](#), [use_bcgov_contributing()](#), [use_bcgov_code_of_conduct()](#) [insert_bcgov_apache_heade](#)
[insert_bcgov_cc_header()](#)

---

use_bcgov_readme   *Add a README.md file to the project directory*

Description

Add a README.md file to the project directory

Usage

```
use_bcgov_readme(project = NULL, licence = c("apache2", "cc-by"))
```

Arguments

project	Name of the project. Defaults to the name of the RStudio project/working directory
licence	Which licence to apply? Default is Apache 2.0 (″apache2″). Use ″cc-by″ for [Creative Commons Attribution 4.0](#)

See Also

[use_bcgov_contributing()](#), [use_bcgov_licence()](#), [use_bcgov_code_of_conduct()](#)

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use_bcgov_readme_rmd   *Add a README.Rmd file to the project directory*

Description

Add a README.Rmd file to the project directory

Usage

```
use_bcgov_readme_rmd(project = NULL, licence = c("apache2", "cc-by"))
```

Arguments

project	Name of the project. Defaults to the name of the RStudio project/working directory
licence	Which licence to apply? Default is Apache 2.0 (″apache2″). Use ″cc-by″ for [Creative Commons Attribution 4.0](#)

See Also

[use_bcgov_contributing()](#), [use_bcgov_licence()](#), [use_bcgov_code_of_conduct()](#)

| use_bcgov_req | *Add bcgov GitHub requirements to your project directory* |

Description

Add a LICENCE file, a README, a CODE OF CONDUCT and a CONTRIBUTING file

Usage

```
use_bcgov_req(
  rmarkdown = FALSE,
  coc_email = get_coc_email(),
  licence = "apache2"
)
```

Arguments

rmarkdown	Should an Rmarkdown file be added to the repository with its corresponding markdown file? Default `FALSE`.
coc_email	Contact email address(es) for the Code of Conduct. It is recommended that you save this setting by adding a line like: `options("bcgovr.coc.email" = "your.email@gov.bc.ca")` to your `.Rprofile`. Use `usethis::edit_r_profile()` for an easy way to find and edit this file.
licence	Which licence to apply? Default is Apache 2.0 (`"apache2"`). Use `"cc-by"` for Creative Commons Attribution 4.0

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