

Package: hubDevs (via r-universe)

January 10, 2025

Title Utilities for Creating and Standardising Hubverse Packages

Version 0.1.1

Description What the package does (one paragraph).

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URL <https://github.com/hubverse-org/hubDevs>,
<https://hubverse-org.github.io/hubDevs>

BugReports <https://github.com/hubverse-org/hubDevs/issues>

Imports checkmate, cli, desc, devtools, fs, pkgdown, purrr, rlang,
usethis, whisker

Suggests hubStyle, magick, knitr, quarto, rmarkdown, testthat (>=
3.0.0)

VignetteBuilder knitr, quarto

Remotes hubverse-org/hubStyle

Config/Needs/website hubverse-org/hubStyle

Config/testthat/edition 3

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Language en-US

Config/pak/sysreqs libfontconfig1-dev libfreetype6-dev libfribidi-dev
git make libharfbuzz-dev libgit2-dev libicu-dev libjpeg-dev
libpng-dev libtiff-dev libxml2-dev libssl-dev libx11-dev
zlib1g-dev

Repository <https://hubverse-org.r-universe.dev>

RemoteUrl <https://github.com/hubverse-org/hubDevs>

RemoteRef v0.1.1

RemoteSha 70f7a7b0e25f61171fb553ac80777157ced901be

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add_website_needs	<i>Add website Needs field to DESCRIPTION</i>
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Description

Adds the hubverse hubStyle package as a website need to the DESCRIPTION file.

Usage

```
add_website_needs()
```

append_hubdev_readme_footer	<i>Append the standard hubverse footer to a README.Rmd</i>
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Description

Append the standard hubverse footer to a README.Rmd

Usage

```
append_hubdev_readme_footer(
  hubdocs_contribute_url = "https://hubverse.io/en/latest/overview/contribute.html"
)
```

Arguments

hubdocs_contribute_url	Character string. URL of the general contributing information page on hubDocs.
------------------------	--

create_hubdev_pkg	<i>Create hubverse package skeleton</i>
-------------------	---

Description

Create hubverse package skeleton

Usage

```
create_hubdev_pkg(  
    path,  
    fields = list(),  
    copyright_holder = "Consortium of Infectious Disease Modeling Hubs",  
    organisation = "hubverse-org",  
    hubdocs_contribute_url = "https://hubverse.io/en/latest/overview/contribute.html"  
)
```

Arguments

path	A path. If it exists, it is used. If it does not exist, it is created, provided that the parent path exists.
fields	A named list of fields to add to DESCRIPTION, potentially overriding default values. See use_description() for how you can set personalized defaults using package options.
copyright_holder	Name of the copyright holder or holders. This defaults to "{package name} authors"; you should only change this if you use a CLA to assign copyright to a single entity.
organisation	Character string. The hubverse GitHub organisation name. The user's role and the token's scopes must be such that you have permission to create repositories in the hubverse organisation.
hubdocs_contribute_url	Character string. URL of the general contributing information page on hubDocs.

Value

Path to the newly created project or package, invisibly.

use_hubdev_community *Helpers for creating community facing hubverse package documents*

Description

These functions create community facing documents detailing how contributors and the wider community can interact with hubverse packages. Each function creates the relevant file in the `.github` directory from templates and is set up with appropriate hubverse default values.

Usage

```
use_hubdev_community(  
  organisation = "hubverse-org",  
  hubdocs_contribute_url = "https://hubverse.io/en/latest/overview/contribute.html"  
)  
  
use_hubdev_coc()  
  
use_hubdev_contributing(  
  organisation = "hubverse-org",  
  hubdocs_contribute_url = "https://hubverse.io/en/latest/overview/contribute.html"  
)
```

Arguments

`organisation` Character string. The hubverse GitHub organisation name. The user's role and the token's scopes must be such that you have permission to create repositories in the hubverse organisation.

`hubdocs_contribute_url` Character string. URL of the general contributing information page on hubDocs.

Functions

- `use_hubdev_community()`: Create hubverse `CODE_OF_CONDUCT.md` and `CONTRIBUTING.md` files.
- `use_hubdev_coc()`: Create hubverse `CODE_OF_CONDUCT.md` file.
- `use_hubdev_contributing()`: Create hubverse `CONTRIBUTING.md` file.

use_hubdev_github *Set up hubverse package on GitHub*

Description

The function runs a number of internal utilities for setting up a hubverse package on GitHub:

- Creates a repo in the hubverse GitHub organisation
- Adds details of the repository to the DESCRIPTION file
- Initialises pkgdown documentation
- Creates GitHub Action workflows for:
 - standard R CMD CHECK
 - test coverage
 - linting with lintr
 - building pkgdown documentation and deploying production docs to GitHub Pages and PR previews to a Netlify site

Usage

```
use_hubdev_github(organisation = "hubverse-org")
```

Arguments

organisation Character string. The hubverse GitHub organisation name. The user's role and the token's scopes must be such that you have permission to create repositories in the hubverse organisation.

use_hubdev_github_action
Hubverse Developer GitHub Action setup

Description

Sets up common hubverse developer continuous integration (CI) workflows for hubverse packages hosted on GitHub using [GitHub Actions](#). Available actions are hosted in repository [hubverse-org/hubverse-developer-actions](#)

Usage

```
use_hubdev_github_action(name)
```

Arguments

name Name of workflow, i.e. the name of one of the [hubverse developer action repository](#) directories containing a GitHub Action workflow .yaml file.

use_hubdev_lintr *Create a basic hubverse .lintr file from template*

Description

Create a basic hubverse .lintr file from template

Usage

```
use_hubdev_lintr()
```

use_hubdev_pkgdown *Configure hubverse pkgdown site*

Description

The function performs a number of actions to configure a hubverse package's pkgdown site to use the hubStyle template for docs styling.

- Runs `use_pkgdown()` to initialise pkgdown documentation.
- Runs `use_github_pages()` to initialise GitHub Pages for the package.
- Adds a GitHub Action workflow for building pkgdown documentation and deploying to GitHub Pages (productions) and Netlify (PR previews) using `use_hubdev_pkgdown_action()`.
- Adds the hubStyle repository to the DESCRIPTION's Config/Needs/website property using `add_website_needs()`.
- Creates a favicon for the package using the hubStyle logo.
- Overwrites standard `_pkgdown.yml` file with customised configuration to use the hubverse hubStyle package for docs styling.

Usage

```
use_hubdev_pkgdown(add_logo = FALSE)
```

Arguments

`add_logo` Logical. Whether to add the logo to the package.

`use_hubdev_pkgdown_action`*Use the hubdev custom pkgdown GitHub Action*

Description

The functions creates a `pkgdown-netlify-preview.yaml` action in the `.github/workflows` directory. The action follows the standard `pkgdown` publishing to `gh-pages` in the event of a merge into main branch but can also be set up to publish internal PR previews to Netlify.

Usage

```
use_hubdev_pkgdown_action(remove_std = TRUE)
```

Arguments

`remove_std` Logical. Whether to remove the standard `pkgdown` action if it exists.

Details

To activate Netlify Previews, you must:

- Create a new site on Netlify. See <https://docs.netlify.com/welcome/add-new-site/> for more details.
- "Add the netlify API site ID to the GitHub repository Action secrets as `NETLIFY_SITE_ID`. See <https://docs.netlify.com/api/get-started/#get-site> for more details.
- Get developer token from Netlify developer account settings and add it to GitHub repository Action secrets as `NETLIFY_AUTH_TOKEN`. See <https://docs.netlify.com/cli/get-started/#obtain-a-token-in-the-netlify-ui> for more details.

See `pkgdown` docs section on [PR previews](#) for more details.

`use_hubdev_pkg_actions`*Add standard GitHub Actions workflows*

Description

Downloads standard `r-lib` GitHub Action workflows and writes them to the `.github/workflows` directory for:

- standard R CMD CHECK ([check-standard](#))
- test coverage ([test-coverage](#))
- linting with `lintr` ([lint](#))

Usage

```
use_hubdev_pkg_actions()
```

use_hubdev_readme	<i>Create a basic hubverse README.Rmd from template</i>
-------------------	---

Description

Create a basic hubverse README.Rmd from template

Usage

```
use_hubdev_readme(  
  organisation = "hubverse-org",  
  hubdocs_contribute_url = "https://hubverse.io/en/latest/overview/contribute.html"  
)
```

Arguments

organisation	Character string. The hubverse GitHub organisation name. The user's role and the token's scopes must be such that you have permission to create repositories in the hubverse organisation.
hubdocs_contribute_url	Character string. URL of the general contributing information page on hubDocs.

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