

# Package ‘packagedocs’

November 4, 2016

**Title** Build Website of Package Documentation

**Version** 0.4.0

**Date** 2016-10-28

**Description**

Build a package documentation and function reference site and use it as the package vignette.

**Depends** R (>= 3.1.1)

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**URL** <http://hafen.github.io/packagedocs>,  
<https://github.com/hafen/packagedocs>

**BugReports** <https://github.com/hafen/packagedocs/issues>

**LazyData** true

**Imports** crayon, devtools, digest, evaluate, highlight, htmltools,  
lazyrmd (>= 0.2.0), magrittr, rmarkdown, stringr, tools,  
whisker, yaml

**Suggests** testthat

**RoxygenNote** 5.0.1

**VignetteBuilder** packagedocs

**NeedsCompilation** no

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comments in 'z\_staticdocs' source))

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build_vignettes	<i>Build CRAN and gh-pages vignettes</i>
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### Description

Build CRAN html redirect vignettes that are placed in inst/doc/ that redirect to the gh-pages branch of the github url provided in the DESCRIPTION file. This function is heavily inspired by devtools::[build\\_vignettes\(\)](#).

### Usage

```
build_vignettes(pkg = ".", dependencies = "VignetteBuilder",
  output_dir = file.path(as.package(pkg)$path, "_gh-pages"),
  extra_dirs = file.path(as.package(pkg)$path, "vignettes",
    c(lazy_widgets_dir(), assets_dir())),
  delete_files = file.path(as.package(pkg)$path, "vignettes",
    c(".build.timestamp")), include_vignette_source = FALSE)
```

### Arguments

pkg	path to package. Provided directly to devtools:: <a href="#">as.package()</a>
dependencies	supplied directly to devtools:: <a href="#">install_deps()</a>
output_dir	directory where the fully contained vignette directory should be exported
extra_dirs	list of directories that will be copied to the gh-pages that are not vignettes and should not be shipped with the package. Files that should exist in both gh-pages and the package should be contained in the vignettes/.install_extras file.
delete_files	list of files that should be deleted if they still exist when the function ends
include_vignette_source	boolean to determine if the vignettes should be copied to the destination directory. Default behavior is to NOT copy the original vignettes

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check_output	<i>Check output for warnings and errors</i>
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**Description**

Check output for warnings and errors

**Usage**

```
check_output(ff)
```

**Arguments**

ff	path to a .html file output by 'render()'
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check_rd_index	<i>Check rd_index.yaml for missing or extra topics</i>
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**Description**

Check rd\_index.yaml for missing or extra topics

**Usage**

```
check_rd_index(code_path = ".", rd_info = NULL, rd_index = NULL)
```

**Arguments**

code_path	path to the source code directory of the package
rd_info	used internally - do not specify if called interactively
rd_index	used internally - do not specify if called interactively

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 deploy\_travis

*Deploy to Github Pages from Travis-CI*


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## Description

This function will generate both the CRAN vignettes and gh-pages vignettes. It will look for your personal github token (GITHUB\_TOKEN) that the function may deploy to the gh-pages branch of the your package's github repo.

## Usage

```
deploy_travis(repo = gsub(".*://([^.]*)\.github.io/([^/]*).*",
  "\\1/\\2", read_rmd_yaml(file.path("vignettes", "docs.Rmd"))$redirect),
  valid_branches = "master", token_key = "GITHUB_PAT",
  email = "travis@travis-ci.org", name = "Travis CI",
  push_branch = "gh-pages", output_dir = "_gh-pages",
  build_fn = function(ouput_dir, ...) { devtools::install(".")
  build_vignettes(pkg = ".", output_dir = output_dir) })
```

## Arguments

repo	character string that has the form USER/REPO
valid_branches	branch name(s) that are allowed to deploy
token_key	key name that will be autofilled
email	email for commit
name	name for commit
push_branch	branch the website should be pushed to. Defaults to 'gh-pages'
output_dir	output directory to put the website in
build_fn	function to build the documentation. This function must take ouput_dir and ... for future expansion. Defaults to <code>packagedocs::build_vignettes</code>

## Details

The function is designed so that packagedocs will never ask for your token directly. It will only issue commands to the terminal which should evaluate with the necessary information.

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init_vignettes	<i>Initialize a new packagedocs project</i>
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**Description**

Initialize a new packagedocs project

**Usage**

```
init_vignettes(code_path = ".", title = NULL, subtitle = NULL,
               author = NULL)
```

**Arguments**

code_path	location of R package (defaults to current directory)
title	title of main page (will search in DESCRIPTION if NULL - can be changed later)
subtitle	subtitle of main page (can be changed later)
author	author (can be changed later)

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package_docs	<i>Generate package docs</i>
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**Description**

rmarkdown output formats for the main documentation and package reference package respectively.

**Usage**

```
package_docs(toc = TRUE, toc_depth = 2, toc_collapse = FALSE,
             extra_dependencies = NULL, self_contained = FALSE, fig_width = 6.5,
             fig_height = 4, mathjax = NULL, lib_dir = assets_dir(), ...,
             lazyrmd_render_fn = "html_document", lazyrmd_render_package = "rmarkdown")
```

```
package_docs_rd(..., rd_index = "rd_index.yaml", code_path = ".",
                 exclude = NULL)
```

**Arguments**

toc	should a table of contents be included?
toc_depth	depth of the table of contents (max is 2 for this template)
toc_collapse	should the table of contents have collapsible subsections?
extra_dependencies, self_contained, fig_width, fig_height, mathjax	passed to the rmarkdown rendering function

lazyrmd\_render\_fn, lazyrmd\_render\_package, lib\_dir  
 arguments of lazyrmd::lazy\_render. Defaults to render with rmarkdown::html\_document  
 rd\_index, code\_path, exclude  
 parameters passed directly to rd\_template  
 ...  
 In package\_docs, the parameters are passed to the lazyrmd::lazy\_render  
 rendering function. In package\_docs\_rd, the parameters are passed to package\_docs

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rd_link	<i>Translate a reference to a package function into a link to that function's documentation in rd.html</i>
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### Description

This is meant to be used inside your packagedocs vignette docs.Rmd and rd.Rmd files

### Usage

```
rd_link(txt, rd_html = rd_file_html(), pkg = ".")
```

### Arguments

txt	a string or expression referencing a function or other Rd object
rd_html	the string to be used in the href string pointing to the page where Rd documentation is provided
pkg	path to package being documented. Works when within sub-package directories

### Details

Instead of using `&#96;myfunction()&#96;` when talking about a package function `myfunction` inside your `.Rmd` file, you can use `&#96;r rd_link(myfunction())&#96;` or even things like `&#96;r rd_link(myfunction(arg1 = 1, ...))&#96;` and it will turn it into an href pointing to the online documentation of your package function `myfunction` in the page rendered by `package-docs`.

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rd_template	<i>Generate the text to put in a rd.rmd file to build a package function reference</i>
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---

### Description

Generate the text to put in a `rd.rmd` file to build a package function reference

### Usage

```
rd_template(code_path, rd_index = "rd_index.yaml", exclude = NULL)
```

**Arguments**

code_path	path to the source code directory of the package
rd_index	path to yaml file with index layout information
exclude	vector of Rd entry names to exclude from the resulting document

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read_rmd_yaml	<i>Read .Rmd yaml header</i>
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**Description**

Read .Rmd yaml header

**Usage**

```
read_rmd_yaml(file)
```

**Arguments**

file	input file to read
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render_redirect	<i>Render vignette redirect</i>
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**Description**

Create a html redirect file that will automatically redirect to another webpage. This is useful for making a html redirect in a vignette. By submitting a small redirect vignette, the package is not bloated in size

**Usage**

```
render_redirect(input_file_rmd, output_file_html)
```

**Arguments**

input_file_rmd	input file name to read its yaml header with 'redirect' key
output_file_html	output file name

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secure_token	<i>Secure personal access token</i>
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### Description

Function to create or automatically add a secure key (GITHUB\_PAT) for travis to be able to publish to the drat repo

### Usage

```
secure_token(add = TRUE, ...)
```

### Arguments

add	boolean to determine if the key should be automatically added. Default is TRUE. This will remove custom formatting as the file will be programatically generated
...	supplied to <a href="#">system</a>

### Examples

```
## Not run:
secure_token(FALSE)

## End(Not run)
```

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to_html	<i>Convert an rdoc to a list of html components.</i>
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### Description

All span-level tags are converted to html, and higher level blocks are returned as components of the list.

### Usage

```
to_html(x, ...)
```

### Arguments

x	rd object to convert to html
...	other arguments passed onto to methods

### Value

A list, suitable for rendering with [whisker.render](#)



**Author(s)**

Hadley Wickham from hadley/staticdocs

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use\_travis

*Use Travis CI*

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**Description**

Use Travis CI

**Usage**

```
use_travis(pkg = ".", add = TRUE, browse = interactive())
```

**Arguments**

pkg	location of package
add	boolean that determines if all items should be added to the travis yaml file or printed on screen
browse	passed onto devtools:: <a href="#">use_travis</a>

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