Package 'rdoxygen'

October 14, 2022

Title Create Doxygen Documentation for Source Code

Version 1.0.0

Maintainer Clemens Schmid <clemens@nevrome.de>

Description Create doxygen documentation for source code in R packages.
Includes a RStudio Addin, that allows to trigger the doxygenize process.

Date 2017-05-23

Depends R (>= 3.3.3)

License GPL-2 | file LICENSE

Encoding UTF-8

LazyData true

URL https://github.com/nevrome/rdoxygen

BugReports https://github.com/nevrome/rdoxygen/issues

RoxygenNote 6.0.1

Imports devtools (>= 1.12.0)

Suggests testthat

SystemRequirements doxygen

NeedsCompilation yes

Author Clemens Schmid [cre, cph, aut]

Repository CRAN

Date/Publication 2017-05-25 21:39:04 UTC

R topics documented:

---

check_for_doxygen   *check for doxygen*

Description

helper function to check if doxygen is in the system path

Usage

```
check_for_doxygen()
```

Value

TRUE

---

c_test   *R frontend of the C function bar*

Description

A mask function to test if the dummy C code in src/bar.c works.

Usage

```
c_test(x)
```

Arguments

x   a numeric vector

Details

c_test(x) = x^2.

Value

a numeric vector x^2

Examples

```
## Not run:
  x <- rnorm(10)
  c_test(x)

## End(Not run)
```

---

doxy *Calls doxygen for an R package*

Description

Triggers doxygen documentation for the code in src/. Triggers also the setup (with doxy_init())
at the first run.

Usage

```
doxy(doxygen = file.exists("src"), roxygen = FALSE,
  pathToDoxyfile = "./inst/doxygen/Doxyfile")
```

Arguments

doxygen	A boolean: should doxygen be ran on documents in src/? Default: TRUE if a src folder exist and FALSE if not
roxygen	A boolean: should devtools::document() be ran after the creation of the doxygen documentation? Default: FALSE
pathToDoxyfile	A string with the relative path to the Doxyfile. Default: "./inst/doxygen/Doxyfile"

Value

NULL or the value returned by devtools::document()

Examples

```
## Not run:
  doxy()

## End(Not run)
```

---

doxy_edit *Edits an existing Doxyfile*

Description

Changes options in doxygen config files.

Usage

```
doxy_edit(pathToDoxyfile = "./inst/doxygen/Doxyfile", options = c())
```

Arguments

pathToDoxyfile   A string with the relative path to the Doxyfile. Default: "./inst/doxygen/Doxyfile"

options   A named vector with new settings. The names represent the tags. A list of options can be found here: https://www.stack.nl/~dimitri/doxygen/manual/config.html

Examples

```
## Not run:
doxy_edit(options = c("EXTRACT_PRIVATE" = "YES"))

## End(Not run)
```

---

doxy_init   *Prepares the R package structure for use with doxygen*

Description

Creates a configuration file in inst/doxygen/ and sets a few options:

- EXTRACT_ALL = YES
- INPUT = src/
- OUTPUT_DIRECTORY = inst/doxygen/

Usage

```
doxy_init(rootFolder = ".")
```

Arguments

rootFolder   A string with the path to the root directory of the R package. Default: "."

Examples

```
## Not run:
doxy_init()

## End(Not run)
```

---

replace_tag *Updates and adds doxygen options in a line string vector*

Description

Scans the lines and changes the value for the named tag if one line has this tag, adds a line at the end if no line has this tag and returns a warning if several lines match the tag.

Usage

```
replace_tag(fileStrings, tag, newVal)
```

Arguments

fileStrings	A vector with each string containing a line of the file
tag	A string with the tag to be searched for
newVal	A string with the new value for the tag

Value

The vector of strings with the new value

Index