

Package ‘rasciidoc’

August 16, 2023

Title Create Reports Using R and 'asciidoc'

Version 4.1.1

Description Inspired by Karl Broman`s reader on using 'knitr' with 'asciidoc' (https://kbroman.org/knitr_knutshell/pages/asciidoc.html), this is merely a wrapper to 'knitr' and 'asciidoc'.

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URL <https://gitlab.com/fvafrcu/rasciidoc>

Depends R (>= 3.3.0)

Imports checkmate, fritools (>= 3.7.1), gert, highr, knitr, reticulate, tools

Suggests devtools, pkgload, rmarkdown, rprojroot, RUnit, testthat, withr

Encoding UTF-8

RoxygenNote 7.2.3

SystemRequirements python >= 2.6, by default rasciidoc uses a system installation of asciidoc. If a system installation of asciidoc is not available, it downloads the sources from (<http://gitlab.com/asciidoc>). GNU source-highlight is recommended.

VignetteBuilder rasciidoc

NeedsCompilation no

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rasciidoc-package	<i>Create Reports Using R and asciidoc</i>
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Description

Inspired by *Karl Broman*'s reader on using **knitr** with asciidoc (https://kbroman.org/knitr_knutshell/pages/asciidoc.html), this is merely a wrapper to **knitr** and asciidoc.

Arguments

`write_to_disk` Write to disk? See **Warning**.

Details

You will find the details in `vignette("An_Introduction_to_rasciidoc", package = "rasciidoc")`.

Warning

Due to the CRAN policy of not writing "anywhere else on the file system apart from the R session's temporary directory", we work on a temporary copy of `file_name`. Thus all internal sourcing and internal links will be broken and any output is written to `tempdir()`. Set the option "write_to_disk" to TRUE (using `options(write_to_disk = TRUE)`) to bypass this. You may want to include the above line into your `'~/Rprofile'`.

adjust_asciidoc_hooks	<i>Adjust knitr's Hooks for asciidoc</i>
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Description

By default, **knitr** renders messages, warnings and errors to [NOTE|WARNING|ERROR]-blocks in asciidoc, which is ... not my choice. To restore **knitr**'s behaviour, set `hooks` or `replacement` to `NULL`.

Usage

```
adjust_asciidoc_hooks(
  hooks = c("message", "error", "warning"),
  replacement = "source"
)
```

Arguments

`hooks` Character vector naming the output hooks to be replaced by the replacement's hooks.

`replacement` The hook with which to replace the hooks given by `hooks`.

Details

This is a modified version of `render_asciidoc` of **knitr** version 1.18.7.

Value

The return value of `knit_hooks$set`, invisibly `NULL`, currently.

<code>rasciidoc</code>	<i>Render an asciidoc File</i>
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Description

This is the basic interface to `asciidoc`. Not more than a call to `system2` and checks on `asciidoc` and `source-highlight`. You should usually not call it directly, see `render` for a wrapper.

Usage

```
rasciidoc(
  file_name,
  ...,
  write_to_disk = getOption("write_to_disk"),
  enforce_requirements = getOption("enforce_requirements"),
  git_checkout_asciidoc_tag = NA
)
```

Arguments

`file_name` The file to run `asciidoc` on.

`...` arguments passed to `asciidoc` via `system2`.

`write_to_disk` Write to disk? See **Warning**.

`enforce_requirements` Should system requirements be enforced (CRAN requires packages to pass checks if system requirements (external commands) are not met)? Set to `TRUE` to enforce.

git_checkout_asciidoc_tag

If asciidoc is not installed, it is loaded from <https://github.com/>. Depending on your python version (python2 or python3), asciidoc for python2 or python3 is loaded. You may specify a tag to use with the repository. Either pass

1. a tag number as a string ("9.1.0", for example),
2. `NULL` to force the latest tagged version, or
3. `NA`

Don't mind, just stick with the default. You would have to know which python version will be used.

Value

Invisibly `TRUE` or `FALSE`, depending on success.

Warning

Due to the CRAN policy of not writing "anywhere else on the file system apart from the R session's temporary directory", we work on a temporary copy of `file_name`. Thus all internal sourcing and internal links will be broken and any output is written to `tempdir()`. Set the option "write_to_disk" to `TRUE` (using

```
options(write_to_disk = TRUE)
```

to bypass this. You may want to include the above line into your '~/.Rprofile'.

See Also

[render](#)

Examples

```
# CRAN complains about elapsed times
if (fritools::is_running_on_fvafrcu_machines()) {
  wd <- file.path(tempdir(), "rasciidoc")
  dir.create(wd)
  file <- system.file("files", "minimal", "knit.asciidoc",
                     package = "rasciidoc")
  file.copy(file, wd)
  r <- rasciidoc(file_name = file.path(wd, basename(file)),
               write_to_disk = getOption("write_to_disk"), "-b html")
  if (interactive()) browseURL(attr(r, "info")[[ "output" ]])
  if (isTRUE(getOption("write_to_disk"))) {
    dir(wd, full.names = TRUE)
  } else {
    dir(tempdir(), full.names = TRUE)
  }
  unlink(wd, recursive = TRUE)
}
```

render

Spin or Knit and Render a ‘Rasciidoc’ File

Description

Spin or Knit (if required) and render an ‘Rasciidoc’ file.

Usage

```
render(
  file_name,
  knit = NA,
  write_to_disk = getOption("write_to_disk"),
  envir = parent.frame(),
  hooks = c("message", "error", "warning"),
  replacement = "source",
  asciidoc_args = "-b html",
  what = c("auto", "all", "no_slides", "slides"),
  git_checkout_asciidoc_tag = NA,
  clean = FALSE,
  ...
)
```

Arguments

<code>file_name</code>	The file to render.
<code>knit</code>	Knit the file first using <code>knitr::knit</code> ? If set to <code>NA</code> , knitting is based on the file’s contents or name. Set to <code>TRUE</code> to force knitting or to <code>FALSE</code> , to disable knitting.
<code>write_to_disk</code>	Write to disk? See Warning .
<code>envir</code>	The frame in which to render.
<code>hooks</code>	Character vector naming the output hooks to be replaced by the replacement’s hooks.
<code>replacement</code>	The hook with which to replace the hooks given by <code>hooks</code> .
<code>asciidoc_args</code>	arguments passed to asciidoc via <code>system2</code> .
<code>what</code>	What is to be rendered? <code>"all"</code> renders everything, <code>"no_slides"</code> renders parts that are not meant for slides, <code>"slides"</code> renders parts that are meant for slides. The default looks for any in- or exclusion tagging and renders parts that are not meant for slides if found any, else it renders everything.
<code>git_checkout_asciidoc_tag</code>	If asciidoc is not installed, it is loaded from https://github.com/ . Depending on your python version (python2 or python3), asciidoc for python2 or python3 is loaded. You may specify a tag to use with the repository. Either pass <ol style="list-style-type: none"> 1. a tag number as a string ("9.1.0", for example), 2. <code>NULL</code> to force the latest tagged version, or

3. NA

Don't mind, just stick with the default. You would have to know which python version will be used.

clean Remove temporary file(s)?
 ... Only there to register as vignette engine. Do not use!

Value

The return value of `rasciidoc`.

Warning

Due to the CRAN policy of not writing "anywhere else on the file system apart from the R session's temporary directory", we work on a temporary copy of `file_name`. Thus all internal sourcing and internal links will be broken and any output is written to `tempdir()`. Set the option "write_to_disk" to TRUE (using `options(write_to_disk = TRUE)`) to bypass this. You may want to include the above line into your `'~/Rprofile'`.

See Also

[rasciidoc](#)

Examples

```
# CRAN complains about elapsed times
if (fritools::is_running_on_fvafrcu_machines()) {
  wd <- file.path(tempdir(), "rasciidoc")
  dir.create(wd)
  file <- system.file("files", "minimal", "knit.Rasciidoc",
                     package = "rasciidoc")
  file.copy(file, wd)
  r <- rasciidoc::render(file.path(wd, basename(file)),
                        write_to_disk = getOption("write_to_disk"),
                        asciidoc_args = "-b slidy")
  if (isTRUE(getOption("write_to_disk"))) {
    dir(wd, full.names = TRUE)
  } else {
    dir(tempdir(), full.names = TRUE)
  }
  unlink(wd, recursive = TRUE)
}
```

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