

# Package ‘rasciidoc’

October 21, 2021

**Title** Create Reports Using R and 'asciidoc'

**Version** 3.1.4

**Description** Inspired by Karl Broman`s reader on using 'knitr' with 'asciidoc' ([https://kbroman.org/knitr\\_knutshell/pages/asciidoc.html](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, document (>= 3.3.0), fritools (>= 1.3.0), gert, highr, knitr, reticulate, tools

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

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**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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**Repository** CRAN

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## R topics documented:

rasciidoc-package . . . . .	2
adjust_asciidoc_hooks . . . . .	2
rasciidoc . . . . .	3
render . . . . .	4

<b>Index</b>	<b>7</b>
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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](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`.

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adjust_asciidoc_hooks	<i>Adjust <b>knitr</b>'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.

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rasciidoc

*Render an asciidoc File*

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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")
)
```

**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.

**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)
  rasciidoc::rasciidoc(file_name = file.path(wd, basename(file)),
                      write_to_disk = getOption("write_to_disk"),
                      "-b html")
  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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render

*Spin or Knit and Render a ‘Rasciidoc’ File*

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**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"),
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 <b>Warning</b> .
<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 hooks.
<code>asciidoc_args</code>	arguments passed to asciidoc via <code>system2</code> .
<code>what</code>	What is to be rendered? "all" renders everything, "no_slides" renders parts that are not meant for slides, "slides" renders parts that are meant for slides. The defaults looks for any in- or exclusion tagging and renders parts that are not meant for slides if found any, else it renders everything.
<code>clean</code>	Remove temporary file(s)?
<code>...</code>	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)
  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)
}
```

# Index

## \* package

rasciidoc-package, 2

adjust\_asciidoc\_hooks, 2

FALSE, 4, 5

Invisibly, 4

invisibly, 3

knit\_hooks, 3

knitr::knit, 5

NA, 5

NULL, 2, 3

rasciidoc, 3, 5

rasciidoc-package, 2

render, 3, 4, 4

system2, 3, 5

TRUE, 3–5