Package ‘radix’
December 9, 2018

Type Package

Title 'R Markdown' Format for Scientific and Technical Writing

Version 0.6

Description Scientific and technical article format for the web. 'Radix' articles feature attractive, reader-friendly typography, flexible layout options for visualizations, and full support for footnotes and citations.

License Apache License 2.0

URL https://github.com/rstudio/radix

BugReports https://github.com/rstudio/radix/issues

Encoding UTF-8

LazyData true

RoxygenNote 6.1.0

Imports utils, stats, tools, rmarkdown (>= 1.10), bookdown (>= 0.8), xfun (>= 0.2), htmltools, jsonlite (>= 1.3), lubridate, png, mime, rstudioapi, rprojroot, xml2, base64enc, whisker, downloader, progress, stringr, knitr (>= 1.15.6), digest, yaml

Suggests htmlwidgets, r2d3, DiagrammeR, shiny, rsconnect, testthat

Language en-US

NeedsCompilation no

Author JJ Allaire [aut, cre],
    Rich Iannone [aut],
    Yihui Xie [aut],
    RStudio, Inc. [cph],
    Google LLC [ctb, cph] (https://distill.pub/guide/),
    Nick Williams [ctb, cph] (https://wicky.nillia.ms/headroom.js/),
    Denis Demchenko [ctb, cph] (https://github.com/lancedikson/bowser),
    The Polymer Authors [ctb, cph]
    (https://www.webcomponents.org/polyfills/),
    Gábor Csárdi [ctb, cph] (whoami)

Maintainer JJ Allaire <jj@rstudio.com>

Repository CRAN

Date/Publication 2018-12-09 13:50:03 UTC
R topics documented:

create_post ............................................................... 2
create_website ............................................................ 3
import_post ................................................................. 3
publish_website ............................................................ 4
radix_article ............................................................... 5
radix_website ............................................................... 6

Index 8

create_post Create a new blog post

Description
Create a new blog post

Usage
create_post(title, author = "auto", slug = "auto",
            date_prefix = TRUE, draft = FALSE, edit = interactive())

Arguments

* title            Post title
* author           Post author. Automatically drawn from previous post if not provided.
* slug             Post slug (directory name). Automatically computed from title if not provided.
* date_prefix      Data prefix for post slug (preserves chronological order for posts within the filesystem).
* draft            Mark the post as a draft (don’t include it in the article listing).
* edit             Open the post in an editor after creating it.

Note
This function must be called from with a working directory that is within a Radix website.

Examples

```r
## Not run:
library(radix)
create_post("My Post")

## End(Not run)
```
create_website

Description

Create a basic skeleton for a Radix website or blog. Use the `create_website()` function for a website and the `create_blog()` function for a blog.

Usage

```r
create_website(dir, title, gh_pages = FALSE, edit = interactive())
create_blog(dir, title, gh_pages = FALSE, edit = interactive())
```

Arguments

- `dir` Directory for website
- `title` Title of website
- `gh_pages` Configure the site for publishing using GitHub Pages
- `edit` Open site index file or welcome post in an editor.

Note

The `dir` and `title` parameters are required (they will be prompted for interatively if they are not specified).

Examples

```r
## Not run:
library(radix)
create_website("mysite", "My Site")

## End(Not run)
```

---

import_post

Description

Import a post from an external source (e.g. GitHub repo, RPubs article, etc.).
Usage

import_post(url, slug = "auto", date = Sys.Date(),
    date_prefix = TRUE, check_license = TRUE, overwrite = FALSE,
    view = interactive())

update_post(slug, view = interactive())

Arguments

url URL for post to import
slug Post slug (directory name). Automatically computed from title if not provided.
date Post date (defaults to current date)
date_prefix Data prefix for post slug (preserves chronological order for posts within the filesystem).
check_license Verify that the imported posted has a creative commons license
overwrite Overwrite existing post? (defaults to FALSE, use update_post() to update an existing post in-place).
view View the post after importing it.

Value

Returns (invisibly) a logical indicating whether the operation completed (it may not complete if, for example, the user chose not to import an article that lacked a creative commons license).

---

publish_website Publish a Radix Website

Description

Publish a website to RStudio Connect

Usage

publish_website(site_dir = ".", site_name = NULL,
    method = c("rsconnect"), server = NULL, account = NULL,
    render = TRUE, launch_browser = interactive())

Arguments

site_dir Directory containing website. Defaults to current working directory.
site_name Name for the site (names must be unique within an account). Defaults to the name provided in _site.yml (or to the name of the site_dir if there is no name specified).
method Publishing method (currently only "rsconnect" is available)
radix_article

server

Server name. Required only if you use the same account name on multiple servers.

account

Account to deploy application to. This parameter is only required for the initial deployment of an application when there are multiple accounts configured on the system.

render

TRUE to render the site locally before publishing.

launch_browser

If TRUE, the system’s default web browser will be launched automatically after the site is deployed. Defaults to TRUE in interactive sessions only.

Examples

## not run:
library(radix)
publish_website()

## End(not run)

radix_article R Markdown format for Radix articles

Description

Scientific and technical writing, native to the web.

Usage

radox_article(toc = FALSE, toc_depth = 3, fig_width = 6.5,
fig_height = 4, fig_retina = 2, fig_caption = TRUE, dev = "png",
smart = TRUE, self_contained = TRUE, mathjax = "default",
extra_dependencies = NULL, css = NULL, includes = NULL,
keep_md = FALSE, lib_dir = NULL, md_extensions = NULL,
pandoc_args = NULL, ...)

Arguments

toc TRUE to include a table of contents in the output
toc_depth Depth of headers to include in table of contents
fig_width Default width (in inches) for figures
fig_height Default width (in inches) for figures
fig_retina Scaling to perform for retina displays (defaults to 2, which currently works for all widely used retina displays). Set to NULL to prevent retina scaling. Note that this will always be NULL when keep_md is specified (this is because fig_retina relies on outputting HTML directly into the markdown document).
fig_caption TRUE to render figures with captions
## radix_website

**Description**

R Markdown site generator for Radix websites

**Usage**

```
radix_website(input, encoding = getOption("encoding"), ...)
```
Arguments

input       Website directory (or the name of a file within the directory).
encoding   The encoding of the input file; see file.
...         Currently unused.
Index

create_blog(create_website), 3
create_post, 2
create_website, 3

file, 7

html_document_base, 6

import_post, 3
includes, 6

publish_website, 4

radix_article, 5
radix_website, 6
rmarkdown_format, 6

update_post(import_post), 3
update_post(), 4