

# Package ‘quarto’

February 9, 2021

**Title** R Interface to 'Quarto' Markdown Publishing System

**Version** 0.1

**Description** Convert R Markdown documents and 'Jupyter' notebooks to a variety of output formats using 'Quarto'.

**Imports** rmarkdown,jsonlite,yaml

**SystemRequirements** Quarto command line tools  
(<https://github.com/quarto-dev/quarto-cli>).

**License** GPL (>= 2)

**URL** <https://github.com/quarto-dev/quarto-r>

**BugReports** <https://github.com/quarto-dev/quarto-r/issues>

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Suggests** testthat

**NeedsCompilation** no

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**Repository** CRAN

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| quarto_metadata | <i>Read Quarto Metadata</i> |
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**Description**

Read YAML metadata for an input file or project.

**Usage**

```
quarto_metadata(input)
```

**Arguments**

input            The input file or project directory to read metadata for.

**Value**

Named list with metadata. For input files, the named list is keyed by output format. For projects, all project level metadata defined in `_quarto` is contained in the list.

**Examples**

```
## Not run:  
# Read metadata for file  
quarto_metadata("notebook.Rmd")  
  
# Read metadata for project  
quarto_metadata("myproject")  
  
## End(Not run)
```

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|             |                                  |
|-------------|----------------------------------|
| quarto_path | <i>Path to the quarto binary</i> |
|-------------|----------------------------------|

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**Description**

Determine the path to the quarto binary. Uses `QUARTO_PATH` environment variable if defined, otherwise uses `Sys.which()`.

**Usage**

```
quarto_path()
```

**Value**

Path to quarto binary (or NULL if not found)

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|               |                        |
|---------------|------------------------|
| quarto_render | <i>Render Markdown</i> |
|---------------|------------------------|

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### Description

Render the input file to the specified output format using quarto. If the input requires computations (e.g. for Rmd or Jupyter files) then those computations are performed before rendering.

### Usage

```
quarto_render(
  input,
  output_format = NULL,
  output_file = NULL,
  execute = TRUE,
  execute_params = NULL,
  execute_dir = NULL,
  cache = NULL,
  cache_refresh = FALSE,
  kernel_keepalive = NULL,
  kernel_restart = FALSE,
  debug = FALSE,
  quiet = FALSE,
  pandoc_args = NULL
)
```

### Arguments

|                  |   |
|------------------|---|
| input            | The input file or project directory to be rendered.   |
| output_format    | Target output format (defaults to "html"). The option "all" will render all formats defined within the file or project.                       |
| output_file      | The name of the output file. If using NULL then the output filename will be based on filename for the input file.                             |
| execute          | Whether to execute embedded code chunks.  |
| execute_params   | A list of named parameters that override custom params specified within the YAML front-matter.  |
| execute_dir      | The working directory in which to execute embedded code chunks.   |
| cache            | Cache execution output (uses knitr cache and jupyter-cache respectively for Rmd and Jupyter input files).                                     |
| cache_refresh    | Force refresh of execution cache.   |
| kernel_keepalive | Keep Jupyter kernel alive (defaults to 300 seconds). Note this option is only applicable for rendering Jupyter notebooks or Jupyter markdown. |
| kernel_restart   | Restart keepalive Jupyter kernel before render. Note this option is only applicable for rendering Jupyter notebooks or Jupyter markdown.      |

|                          |  |
|--------------------------|--|
| <code>debug</code>       | Leave intermediate files in place after render.    |
| <code>quiet</code>       | Suppress warning and other messages.               |
| <code>pandoc_args</code> | Additional command line options to pass to pandoc. |

**Examples**

```
## Not run:
# Render R Markdown
quarto_render("notebook.Rmd")
quarto_render("notebook.Rmd", output_format = "pdf")

# Render Jupyter Notebook
quarto_render("notebook.ipynb")

# Render Jupyter Markdown
quarto_render("notebook.md")

## End(Not run)
```

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