

Package ‘pakret’

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Title Cite 'R' Packages on the Fly in 'R Markdown' and 'Quarto'

Version 0.3.1

Description References and cites 'R' and 'R' packages on the fly in 'R Markdown' and 'Quarto'. 'pakret' provides a minimalist API that generates preformatted citations for 'R' and 'R' packages, and adds their references to a '.bib' file directly from within your document.

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URL <https://arnaudgallou.github.io/pakret/>,
<https://github.com/arnaudgallou/pakret>

BugReports <https://github.com/arnaudgallou/pakret/issues>

Depends R (>= 3.6.0)

Imports knitr (>= 1.51), readr (>= 1.0.0), rmarkdown

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withr (>= 2.5.0)

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Contents

pkrt	2
pkrt_list	2
pkrt_set	3

Index**5**

pkrt *Cite R or an R package*

Description

Creates a preformatted citation for R or an R package. This function is normally used within an R Markdown or Quarto document, where `pkrt()` automatically references the cited package to the first (by default) `.bib` file specified in the YAML header if no reference for the package already exists.

Usage

```
pkrt(pkg)
```

Arguments

`pkg` Name of the package to cite. You can use "R" as an alias for the base package to cite R.

Value

A character string with S3 class `AsIs`.

Examples

```
pkrt("pakret")
```

```
pkrt("R")
```

pkrt_list *Cite a collection of R packages*

Description

Creates a list of package citations that can be converted into a character string or data frame. This function is normally used within an R Markdown or Quarto document, where `pkrt_list()` automatically references the cited packages in the first (by default) `.bib` file specified in the YAML header if no reference for the packages already exists.

Usage

```
pkrt_list(...)
```

Arguments

`...` Character vectors, separated by commas, of packages to cite.

Details

This function automatically discards duplicate and base packages. You can use `pkrt_list()` in combination with `renv::dependencies()` to cite all the packages used in a project or directory.

Value

A list of package citations with S3 class `pkrt_list`.

Examples

```
# Create a list of citations
citations <- pkrt_list("pakret", "readr", "knitr")

# You can then turn the citations into a character string
# Note that this is done automatically in inline chunks
paste(citations, collapse = ", ")

# Or a data frame
as.data.frame(citations)
```

pkrt_set

Configure pakret's settings

Description

This function lets you configure pakret's settings, for example, to customize citation templates or specify which `.bib` file should store the references.

Usage

```
pkrt_set(...)
```

Arguments

... Key-value pairs, separated by commas, of parameters to set. See details.

Details

Valid parameters are:

- **bib** <character|numeric> = 1L Name or index of the `.bib` file to save references to.
- **pkg** <character> = "the ':pkg' package version :ver [:ref]" Template used to cite a package.
- **pkg_list** <character> = "' :pkg' v. :ver [:ref]" Template used in `pkrt_list()`.
- **r** <character> = "R version :ver [:ref]" Template used to cite R.
- **sep** <character> = ", " Separator used between packages in inline chunks.

- **sep_last** <character> = ", and " Separator used between the last two packages in inline chunks.

New settings only apply to citations that come after `pkrt_set()`. This means you can redefine the same settings multiple times in the same document to alter `pkret`'s behavior for a few specific citations only.

Use `NULL` to reset a parameter to its default value.

Value

This function is called for its side-effect. It returns no value.

Examples

```
pkrt_set(pkg = "*:pkg* :ver :ref")
pkrt("pakret")
```

```
# `NULL` resets parameters to their default value
pkrt_set(pkg = NULL)
pkrt("pakret")
```

Index

pkrt, 2

pkrt_list, 2

pkrt_set, 3

renv::dependencies(), 3