

Package ‘roxylint’

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Title Lint 'roxygen2'-Generated Documentation

Version 0.1.0

Description Provides formatting linting to 'roxygen2' tags. Linters report 'roxygen2' tags that do not conform to a standard style. These linters can be a helpful check for building more consistent documentation and to provide reminders about best practices or checks for typos. Default linting suites are provided for common style guides such as the one followed by the 'tidyverse', though custom linters can be registered by other packages or be custom-tailored to a specific package.

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Encoding UTF-8

URL <https://github.com/openpharma/roxylint>,
<https://openpharma.github.io/roxylint/>

BugReports <https://github.com/openpharma/roxylint/issues>

Imports utils, cli, roxygen2

RoxygenNote 7.2.3

NeedsCompilation no

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check_linter	<i>Apply 'roxygen2' linters</i>
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Description

Provided a list of linters for a given tag, iterate over linters to raise alerts during the documentation process.

Usage

```
check_linter(linters, tag, ...)

## Default S3 method:
check_linter(linters, tag, ...)

## S3 method for class 'list'
check_linter(linters, tag, ...)

## S3 method for class '`function`'
check_linter(linters, tag, ...)

## S3 method for class 'character'
check_linter(linters, tag, message = NULL, ...)
```

Arguments

linters	A linters specification, either a function or character regular expression that should be matched, or a list of either. See details for more information.
tag	A <code>roxygen2::roxy_tag()</code> .
...	Additional arguments unused.
message	An optional message to use for an alert.

Value

TRUE, invisibly. However, this function is primarily used for its side-effect of raising alerts during documentation.

Methods (by class)

- `check_linter(default)`: By default, no linting is performed
- `check_linter(list)`: A list of functions or character regular expressions.
If a character value is named, the name is used as the message for a alert that is raised when the expression does not match.
- `check_linter(`function`)`: A function to evaluate for the given tag
function's are evaluated with the following arguments:

1. The `roxygen2::roxy_tag()`
2. The contents of the tag's `$val`, as named arguments

Because the number of arguments might not be readily apparent, any function should accept a trailing `...` argument.

Provided functions may print lint output, or signal lint output with messages or warnings. A `cli::cli_alert()` will reflect the severity of the function used to emit the output.

- `check_linter(character)`: A character regular expressions.

If a character value is found, its value is assumed to be a regular expression which must match a given tag's raw content (the text as it appears in the roxygen2 header).

`demo_tag`*Get that tag!*

Description

Tools for inspecting `roxygen2::roxy_tag()`s. This can be helpful for exploring the intermediate tag objects. For example, you can use this function to generate a tag and explore the named values in `$val`.

Usage

```
demo_tag(str)
```

Arguments

<code>str</code>	A 'roxygen2' tag string.
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Value

A `roxygen2::roxy_tag()`.

Examples

```
demo_tag("@param var abc")
```

linters

Assorted linters

Description

Preconfigured linters, either as a collective list of linters or individually. "tidy" linters implement guidelines from the tidyverse style guide.

Usage

```
lint_starts_lowercase(x, ...)
lint_full_stop(x, ...)
lint_no_full_stop(x, ...)
lint_sentence_case(x, ...)
lint_title_case(x, ...)
tidy_title(x, ...)
tidy_param(x, name, description, ...)
tidy_return(x, ...)
tidy_seealso(x, ...)
tidy
```

Arguments

x	A <code>roxygen2::roxy_tag()</code> that is the subject of linting.
...	Additional arguments unused.
name, description	Used for <code>roxygen2::roxy_tag()</code> -specific linters.

Format

An object of class `list` of length 4.

Details

Refer to the individual `roxygen2::roxy_tag()` for the respective tag for argument details.

Functions

- `lint_starts_lowercase()`: Lowercase start linting. (uses \$raw for `roxygen2::roxy_tag()`s)
- `lint_full_stop()`: Ends in a full stop. (uses \$raw for `roxygen2::roxy_tag()`s)
- `lint_no_full_stop()`: Does not end in a full stop. (uses \$raw for `roxygen2::roxy_tag()`s)
- `lint_sentence_case()`: Sentence case linting (uses \$raw for `roxygen2::roxy_tag()`s)
- `lint_title_case()`: Title case linting
- `tidy_title()`: Tidy 'Sentence case' titles
- `tidy_param()`: Tidy 'Sentence case' @param definitions
- `tidy_return()`: Tidy 'Sentence case' @return definitions
- `tidy_seealso()`: Tidy 'Sentence case' @seealso definitions
- `tidy`: A list of all tidyverse style guide inspired linters

 register_linters

Register linters for new tags

Description

A registration mechanism for other packages to provide linters, either for custom tags or to implement their own linting styles.

Usage

```
register_linters(..., linters = list(...), .overwrite = FALSE)
```

Arguments

<code>...</code>	Linters to register, with parameter names used to identify the associated tag.
<code>linters</code>	Optionally, provide a named list of linters directly.
<code>.overwrite</code>	Whether existing linters should be overwritten. Intended to be used sparingly. For example, this could be used to implement an entire new style guide without inheriting defaults.

Value

TRUE, invisibly.

roxylint	<i>Roclet for 'roxygen2' style linting</i>
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Description

Roclets used to embed linters during documentation. To use, add the roclet in your DESCRIPTION file.

Usage

```
roxylint()
```

Details

```
Config/Needs/documentation: roxylint
Roxygen:
  list(
    markdown = TRUE,
    roclets = c("namespace", "rd", "roxylint::roxylint")
  )
```

Value

A roxylint `roxygen2::roclet()`.

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