Package 'gDRstyle'

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Type Package

Title A package with style requirements for the gDR suite

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Description Package fills a helper package role for whole gDR suite. It helps to support good development practices by keeping style requirements and style tests for other packages. It also contains build helpers to make all package requirements met.

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LazyLoad yes

Depends R (>= 4.2)

Imports BiocCheck, BiocManager, BiocStyle, checkmate, desc, git2r, lintr (>= 3.0.0), rcmdcheck, remotes, yaml, rjson, pkgbuild, withr

Suggests knitr, pkgdown, testthat (>= 3.0.0)

URL https://github.com/gdrplatform/gDRstyle, https://gdrplatform.github.io/gDRstyle/

BugReports https://github.com/gdrplatform/gDRstyle/issues

biocViews Software, Infrastructure

VignetteBuilder knitr

ByteCompile TRUE

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.1

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`gDRstyle-package` *gDRstyle: A package with style requirements for the gDR suite*

Description

Package fills a helper package role for whole gDR suite. It helps to support good development practices by keeping style requirements and style tests for other packages. It also contains build helpers to make all package requirements met.

Value

package help page

Note

To learn more about functions start with `help(package = "gDRstyle")`

Author(s)

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See Also

Useful links:

- https://github.com/gdrplatform/gDRstyle
- https://gdrplatform.github.io/gDRstyle/
- Report bugs at https://github.com/gdrplatform/gDRstyle/issues

---

`avoid_new_lines` *Avoid new lines in sprintf output. Function helps to avoid line lenght limits without affecting sprintf output*

Description

Avoid new lines in sprintf output. Function helps to avoid line lenght limits without affecting sprintf output

Usage

```
avoid_new_lines(fmt)
```

Arguments

`fmt`	string, formatted as sprintf input

Value

string

Examples

```
sprintf(avoid_new_lines(
  "Lorem ipsum dolor sit amet, %s adipiscing elit, sed do eiusmod
  tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim
  veniam."
), "consectetur")
```

---

checkDependencies *Check for alignment of package dependencies across Rplatform and package specifications.*

Description

Check the package depedency version specifications in the `rplatform/dependencies.yaml` and `DESCRIPTION`.

Usage

```
checkDependencies(
  dep_path,
  desc_path,
  skip_pkgs = "R",
  combo_path = "/mnt/vol/dependencies_combo.yaml"
)
```

Arguments

`dep_path`	String of path to the rplatform `dependencies.yaml` file.
`desc_path`	String of the path to the package `DESCRIPTION` file.
`skip_pkgs`	vector of packages from `DESCRIPTION` to skip; defaults to `R`
`combo_path`	String of path to the combo image `dependencies.yaml` file. Defaults to the current directory.

Details

This function is used for its side effects in the event that there are dependency clashes.

Value

`NULL` invisibly.

Examples

```
checkDependencies(
  dep_path =
        system.file(package = "gDRstyle", "testdata", "dependencies.yaml"),
  desc_path = system.file(package = "gDRstyle", "DESCRIPTION"),
  skip_pkgs = c("testthat", "lintr")
)
```

---

checkPackage *Check R package*

Description

Used in gDR platform pacakges' CI/CD pipelines to check that the package abides by gDRstyle stylistic requirements, passes `rcmdcheck`, and ensures that the `dependencies.yml` file used to build gDR platform's docker image is kept up-to-date with the dependencies listed in the package's `DESCRIPTION` file.

Usage

```
checkPackage(
  pkgName,
  repoDir,
  subdir = NULL,
  fail_on = "warning",
  bioc_check = FALSE,
  run_examples = TRUE,
  skip_lint = FALSE,
  skip_tests = FALSE,
  skip_pkgdown = FALSE,
  build_vignettes = TRUE,
  check_vignettes = TRUE,
  as_cran = FALSE
)
```

Arguments

`pkgName`	String of package name.
`repoDir`	String of path to repository directory.
`subdir`	String of relative path to the R package root directory from the `repoDir`.
`fail_on`	String specifying the level at which check fail. Supported values: `"note"`, `"warning"` (default) and `"error"`.
`bioc_check`	Logical whether bioc check should be performed
`run_examples`	Logical whether examples check should be performed

skip_lint	skip lint checks
skip_tests	skip tests
skip_pkgdown	skip pkgdown build
build_vignettes	build vignettes
check_vignettes	check vignettes
as_cran	run with as_cran flag

Value

NULL invisibly.

Examples

```
checkPackage(
  pkgName = "fakePkg",
  repoDir = system.file(package = "gDRstyle", "tst_pkgs", "dummy_pkg"),
  fail_on = "error"
)
```

---

compare_versions *Compare listed package versions dependencies.*

Description

Compare listed package versions in the dependencies.yaml file as compared to the package DESCRIPTION file.

Usage

```
compare_versions(rp, desc)
```

Arguments

rp	Named list of package version requirements specified by rplatform dependencies.yaml.
desc	Named list of package version requirements specified by package DESCRIPTION file.

Value

Character vector of any misaligned package versions between rplatform dependencies.yaml and package DESCRIPTION.

`installAllDeps` *Install all package dependencies from yaml file for building image purposes*

Description

Install all package dependencies from yaml file for building image purposes

Usage

```
installAllDeps(
  additionalRepos = NULL,
  base_dir = "/mnt/vol",
  use_ssh = FALSE,
  test_mode = FALSE
)
```

Arguments

`additionalRepos`	List of additional Repos
`base_dir`	String of base working directory.
`use_ssh`	logical, if use ssh keys
`test_mode`	logical, whether to run the function in the test mode (if TRUE the dependencies are not installed but only listed)

Value

`NULL`

Examples

```
installAllDeps(
  base_dir = system.file(package = "gDRstyle", "testdata"),
  test_mode = TRUE
)
```

installLocalPackage *Install locally cloned repo for builiding image purposes*

Description

Install locally cloned repo for builiding image purposes

Usage

```
installLocalPackage(repo_path, additionalRepos = NULL, base_dir = "/mnt/vol")
```

Arguments

repo_path	String of repository directory.
additionalRepos	List of additional Repos
base_dir	String of base working directory.

Value

NULL

Examples

```
installLocalPackage(system.file(
package = "gDRstyle", "tst_pkgs", "dummy_pkg"
))
```

lintPkgDirs *Lint select subdirectories in a package directory.*

Description

Lint select subdirectories in a package directory.

Usage

```
lintPkgDirs(pkg_dir = ".", shiny = FALSE)
```

Arguments

pkg_dir	String of path to package directory.
shiny	Boolean of whether or not a shiny directory should also be lint. Defaults to the current directory.

Details

Will look for files in the following directories: "R", "tests", and conditionally "inst/shiny" if shiny is TRUE.

Value

NULL invisibly.

Examples

```
lintPkgDirs(
    pkg_dir= system.file(package = "gDRstyle", "tst_pkgs", "dummy_pkg"))
```

---

roxygen_tag_linter *roxygen_tag_linter*

Description

Check that function has documented specific tag in Roxygen skeleton (default @author).

Usage

```
roxygen_tag_linter(tag = "@author")
```

Arguments

tag	character (default @author)

Value

linter class function

Author(s)

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Examples

```
linters_config <- lintr::linters_with_defaults(
  line_length_linter = lintr::line_length_linter(120),
  roxygen_tag_linter = roxygen_tag_linter()
)
```

test_notes_check *Assume there is a valid note:*

> checking R code for possible problems ... NOTE mini_app: no visible binding for '«-' assignment to ‘CONFIG’

and we want every other note in this section (and others) to fail check. Accepted NOTE has 2 lines, therefore the length = 2. Then we want to check whether the content of this NOTE is correct, so we take one of the lines (eg. index_to_check = 2) and grep for content of this line (eg. text_to_check = "assignment to") This will result in any other NOTE failing check Take:

list(list(length = 2, index_to_check = 2, text_to_check = "assignment to")) “ then following NOTE will be treated as invalid > checking R code for possible problems ... NOTE mini_app: no visible binding for '«-' assignment to ‘CONFIG’ sandbox_app : sandboxUI: no visible binding for global variable ‘pcg_path’ Undefined global functions or variables: pcg_path

Description

Assume there is a valid note:

```
> checking R code for possible problems ... NOTE
mini_app: no visible binding for '<<-' assignment to ‘CONFIG’
```

and we want every other note in this section (and others) to fail check. Accepted NOTE has 2 lines, therefore the length = 2. Then we want to check whether the content of this NOTE is correct, so we take one of the lines (eg. index_to_check = 2) and grep for content of this line (eg. text_to_check = "assignment to") This will result in any other NOTE failing check Take:

```
  list(
    list(length = 2, index_to_check = 2, text_to_check = "assignment to")
  )
``
then following NOTE will be treated as invalid
> checking R code for possible problems ... NOTE
mini_app: no visible binding for '<<-' assignment to ‘CONFIG’
sandbox_app : sandboxUI: no visible binding for global variable
‘pcg_path’
Undefined global functions or variables:
 pcg_path
```

Usage

```
test_notes_check(check_results, bioccheck_results, valid_notes_list)
```

Value

NULL

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