

Package ‘org’

June 5, 2024

Title Organising Projects

Version 2024.6.5

Description A system to help you organize projects. Most analyses have three (or more) main sections: code, results, and data, each with different requirements (version control/sharing/encryption). You provide folder locations and 'org' helps you take care of the details.

Depends R (>= 3.3.0)

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URL <https://www.csids.no/org/>, <https://github.com/csids/org>

BugReports <https://github.com/csids/org/issues>

Encoding UTF-8

Imports utils

Suggests testthat, knitr, rmarkdown, rstudioapi, glue

RoxygenNote 7.2.3

VignetteBuilder knitr

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create_project_quarto_external_results
Create example project that uses quarto with results generated outside the .qmd file

Description

Create example project that uses quarto with results generated outside the .qmd file

Usage

```
create_project_quarto_external_results(home, results)
```

Arguments

home	Location of the 'home' directory.
results	Location of the 'results' directory.

create_project_quarto_internal_results
Create example project that uses quarto with results generated from within the .qmd file

Description

Create example project that uses quarto with results generated from within the .qmd file

Usage

```
create_project_quarto_internal_results(home, results)
```

Arguments

home	Location of the 'home' directory.
results	Location of the 'results' directory.

initialize_project *Initializes project*

Description

`org::initialize_project` takes in 2+ arguments. It then saves folder locations in the return value (a new environment) and in `org::project`, which you will use in all of your subsequent code. An additional folder will be created on the user's file system (`org::project$results_today`) which corresponds to `results/YYYY-MM-DD`. The sourced folders are saved into `org::project$env`.

Usage

```
initialize_project(
  env = new.env(),
  home = NULL,
  results = NULL,
  folders_to_be_sourced = "R",
  source_folders_absolute = FALSE,
  encode_from = "UTF-8",
  encode_to = "latin1",
  ...
)
```

Arguments

<code>env</code>	The environment that the code will be sourced into (use <code>.GlobalEnv</code> to source code into the global environment)
<code>home</code>	The folder containing <code>'Run.R'</code> and <code>'R/'</code>
<code>results</code>	A folder inside <code>results</code> with today's date will be created and it will be accessible via <code>org::project\$results_today</code> (this is where you will store all of your results)
<code>folders_to_be_sourced</code>	The names of folders that live inside <code>home</code> and all <code>.r</code> and <code>.R</code> files inside it will be sourced into the global environment.
<code>source_folders_absolute</code>	If <code>TRUE</code> then <code>folders_to_be_sourced</code> is an absolute folder reference. If <code>FALSE</code> then <code>folders_to_be_sourced</code> is relative and inside <code>home</code> .
<code>encode_from</code>	Folders current encoding (only used on Windows)
<code>encode_to</code>	Folders final encoding (only used on Windows)
<code>...</code>	Other folders that you would like to reference

Details

For more details see the help vignette: `vignette("intro", package = "org")`

Value

Returns an environment that contains:

- Folder locations
- An environment called `env` into which the code has been sourced into. There is also a side effect where `org::project` mirrors these values.

Examples

```
org::initialize_project(  
  home = paste0(tempdir(), "/git/analyses/2019/analysis3/"),  
  results = paste0(tempdir(), "/dropbox/analyses_results/2019/analysis3/"),  
  raw = paste0(tempdir(), "/data/analyses/2019/analysis3/")  
)  
org::project$results_today  
org::project$raw
```

ls_files

List files and directories Equivalent to the unix ls command.

Description

List files and directories Equivalent to the unix ls command.

Usage

```
ls_files(path = ".", regexp = NULL)
```

Arguments

`path` A character vector of one or more paths.
`regexp` A regular expression that is passed to `list.files`.

Value

filepaths and directory paths as a character vector

move_directory	<i>Move directory</i>
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Description

Move directory

Usage

```
move_directory(from, to, overwrite_to = FALSE)
```

Arguments

from	Filepath or directory path.
to	Filepath or directory path.
overwrite_to	Boolean.

package_installed	<i>Is a package installed?</i>
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Description

Is a package installed?

Usage

```
package_installed(pkg)
```

Arguments

pkg	Package name.
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Value

Boolean. True if package is installed, false if not.

Examples

```
org::package_installed("data.table")
```

path	<i>Construct path to a file or directory</i>
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Description

Construct path to a file or directory

Usage

```
path(...)
```

Arguments

... Character vectors that will be concatenated with "/" as a separator.

project	<i>Folders to be used/referenced (environment)</i>
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Description

Folders to be used/referenced (environment)

Usage

```
project
```

Format

An object of class environment of length 0.

set_results	<i>Set results folder after initialization</i>
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Description

Set results folder after initialization

Usage

```
set_results(results, proj = org::project)
```

Arguments

results	A folder inside results with today's date will be created and it will be accessible via org: :project\$results_today (this is where you will store all of your results)
proj	The project environment (default is org: :project)

Value

Nothing. There is a side effect where the environments proj and org: :project have the values \$results and \$results_today altered.

write_text	<i>Write text to a file</i>
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Description

Write text to a file

Usage

```
write_text(
  txt,
  file = "",
  header = "***THIS FILE IS CONSTANTLY OVERWRITTEN -- DO NOT MANUALLY EDIT**\r\n\r\n"
)
```

Arguments

txt	Text to be written
file	File, passed through to base: :cat
header	Optional header that is inserted at the top of the text file

Value

No return value.

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