

Package ‘shinydrive’

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Type Package

Title File Sharing Shiny Module

Version 0.1.5

Description Shiny module for easily sharing files between users. Admin can add, remove, edit and download file.
User can only download file. It's also possible to manage files using R functions directly.

License GPL-3

Encoding UTF-8

RoxygenNote 7.3.3

Imports htmltools, shiny, tools, yaml, DT, R.utils, knitr, zip

Suggests testthat

NeedsCompilation no

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add_file_in_dir	<i>Add / suppress / edit a file</i>
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Description

Add / suppress / edit a file

Usage

```
add_file_in_dir(
    file,
    dir,
    yml,
    name = tools::file_path_sans_ext(basename(file)),
    description = "",
    date_time_format = "%Y%m%d_%H%M%S"
)

edit_file_in_dir(
    id,
    dir,
    yml,
    name = NULL,
    description = NULL,
    file = NULL,
    date_time_format = "%Y%m%d_%H%M%S"
)

suppress_file_in_dir(id, dir, yml)

get_yaml_info(
    yml,
    recorded_name = TRUE,
    date_time_format = "%Y%m%d_%H%M%S",
    add_img = FALSE,
    img_size = 30,
    format_size = TRUE
)
```

Arguments

file	character file (to copy) path.
dir	character directory path.
yml	character yaml configuration file full path.
name	character file name.
description	character file description.

date_time_format	character DateTime format.
id	character file id in yaml.
recorded_name	logical : add recorded name (with date_time extension) in output ?
add_img	logical : Use in shiny module for adding file extension img.
img_size	integer : Use in shiny module for adding file extension img.
format_size	logical : User-friendly size format ?

Value

These functions return a logical indicating if operation succeeded or not

Examples

```
## Not run:

yaml <- file.path(getwd(), "test_sfm/config.yaml") # will be created

dir <- file.path(getwd(), "test_sfm")
dir.create(dir)

file <- system.file("translate/translate.csv", package = "shinydrive")

# add one first file with current name
add_file_in_dir(
  file = file,
  dir = dir,
  yaml = yaml,
  description = ""
)

yaml::yaml.load_file(yaml)
list.files(dir)
get_yaml_info(yaml)

# add same file twice, changing name
add_file_in_dir(
  file = file,
  dir = dir,
  yaml = yaml,
  name = "translate_2",
  description = "This is cool"
)

yaml::yaml.load_file(yaml)
list.files(dir)
get_yaml_info(yaml, recorded_name = F)

# modify first file
edit_file_in_dir(
  id = "2",
```

```

    dir = dir,
    yml = yml,
    name = "translate_2_mod",
    description = "So cool"
)

yaml::yaml.load_file(yml)
list.files(dir)

# suppress first file
suppress_file_in_dir(id = "1", dir = dir, yml = yml)

yaml::yaml.load_file(yml)
list.files(dir)

## End(Not run)

```

combine_yaml_recursive

Combine YAML files recursively from subdirectories

Description

Combine YAML files recursively from subdirectories

Usage

```

combine_yaml_recursive(
  base_dir,
  current_dir = "",
  config_file = "files_desc.yaml",
  recorded_name = TRUE,
  date_time_format = "%Y%m%d_%H%M%S",
  add_img = FALSE,
  img_size = 30,
  format_size = TRUE
)

```

Arguments

base_dir	Base directory path
current_dir	Current directory relative to base_dir (use "" for base_dir itself)
config_file	YAML configuration file name
recorded_name	Add recorded name (with date_time extension) in output?
date_time_format	DateTime format

add_img	Use in shiny module for adding file extension img
img_size	Use in shiny module for adding file extension img
format_size	User-friendly size format?

Value

A data frame combining all YAML files with a 'subdir' column indicating relative path

Examples

```
## Not run:
# Get all files from base_dir and subdirectories
all_files <- combine_yaml_recursive(
  base_dir = "~/my_files",
  current_dir = "",
  config_file = "files_desc.yaml"
)

# Get files from a specific subdirectory and its children
subdir_files <- combine_yaml_recursive(
  base_dir = "~/my_files",
  current_dir = "projects/2024",
  config_file = "files_desc.yaml"
)

## End(Not run)
```

delete_config	<i>Delete all YAML files</i>
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Description

Delete all YAML files

Usage

```
delete_config(
  base_dir,
  config_file = "files_desc.yaml",
  confirm = TRUE,
  dry_run = FALSE,
  verbose = TRUE
)
```

Arguments

base_dir	Folder to check for YAML files
config_file	YAML files names
confirm	With or without confirmation before deleting
dry_run	simulation (no deletion)
verbose	Display messages

Value

delete all yaml files

Examples

```
## Not run:
\donttest{
delete_config("~/shinydrive/tests", config_file = "files_desc.yaml")
}

## End(Not run)
```

delete_old_config	<i>Delete config files older than a specific number of days</i>
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Description

Delete config files older than a specific number of days

Usage

```
delete_old_config(
  base_dir,
  days = 30,
  config_file = "files_desc.yaml",
  confirm = TRUE,
  dry_run = FALSE,
  verbose = TRUE
)
```

Arguments

base_dir	base folder
days	number of days to check the age of files we want to delete
config_file	name of YAML files
confirm	With or without confirmation before deleting
dry_run	Simulation
verbose	Display messages

Value

delete old config files from folder

Examples

```
delete_old_config("~/shinydrive/tests", days = 60, config_file = "files_desc.yaml")
```

`init_config`*Create YAML configuration files recursively*

Description

Create YAML configuration files recursively

Usage

```
init_config(  
  base_dir,  
  config_file = "files_desc.yaml",  
  file_patterns = NULL,  
  verbose = TRUE  
)
```

Arguments

<code>base_dir</code>	Base directory path
<code>config_file</code>	YAML configuration file name
<code>file_patterns</code>	File patterns to match
<code>verbose</code>	Display messages

Value

Invisible count of processed directories

shiny_drive_ui	<i>File management shiny module.</i>
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Description

File management shiny module.

Usage

```
shiny_drive_ui(id)

shiny_drive_server(
  input,
  output,
  session,
  id,
  save_dir,
  dir_access = NULL,
  admin_user = TRUE,
  force_desc = FALSE,
  lan = "EN",
  file_translate = read.csv(system.file("translate/translate.csv", package =
    "shinydrive"), sep = ";", encoding = "UTF-8", check.names = FALSE),
  datatable_options = list(),
  yml = "files_desc.yaml",
  date_time_format = "%Y%m%d_%H%M%S",
  decreasing = TRUE,
  intervalMillis = 5000
)
```

Arguments

id	character. An ID string
input	shiny input
output	shiny input
session	shiny input
save_dir	character/reactive. Main directory of the files.
dir_access	character/reactive vector for dir(s) access. Default to NULL (all directories)
admin_user	boolean/reactive (TRUE). Admin user or not.
force_desc	boolean/reactive (FALSE). Force to add an entry description ?
lan	character/reactive ("EN"). Language to be used in the module (FR, EN and CN available... contributions are welcome :)).
file_translate	data.frame/reactive File for translation.

`datatable_options` list/reactive. DT::datatable options argument.

`yml` character/reactiver yml configuration file name.

`date_time_format` character DateTime format.

`decreasing` logical Order table output on date.

`intervalMillis` integer. In case of "reactive" time between calls looking for file changes

Value

Shiny module without return value.

Examples

```
## Not run:

if(require(shiny)){
  ui <- fluidPage(
    shiny_drive_ui(id = "idm")
  )
  server <- function(input, output, session) {
    callModule(module = shiny_drive_server,
               id = "idm",
               session = session,
               admin_user = TRUE,
               save_dir = getwd(),
               lan = "FR")
  }
  shinyApp(ui, server)
}

## End(Not run)
```

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