

# 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

**Author** Benoit Thieurmel [aut, cre],

Thibaut Dubois [aut],

Jérémy Boussaguet [ctb]

**Maintainer** Benoit Thieurmel <bthieurmel@gmail.com>

**Repository** CRAN

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## Contents

add_file_in_dir . . . . .	2
combine_yaml_recursive . . . . .	4
delete_config . . . . .	5
delete_old_config . . . . .	6
init_config . . . . .	7
shiny_drive_ui . . . . .	8

<b>Index</b>	<b>10</b>
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add\_file\_in\_dir      *Add / suppress / edit a file*

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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)
```

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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      *Delete config files older than a specific number of days*

---

**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	<i>Create YAML configuration files recursively</i>
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**Description**

Create YAML configuration files recursively

**Usage**

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

**Arguments**

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

**Value**

Invisible count of processed directories

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shiny\_drive\_ui      *File management shiny module.*

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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.  
yaml character/reactiver yaml 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 of files 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)
```

# Index

`add_file_in_dir`, 2

`combine_yaml_recursive`, 4

`delete_config`, 5

`delete_old_config`, 6

`edit_file_in_dir` (`add_file_in_dir`), 2

`get_yaml_info` (`add_file_in_dir`), 2

`init_config`, 7

`shiny_drive_server` (`shiny_drive_ui`), 8

`shiny_drive_ui`, 8

`suppress_file_in_dir` (`add_file_in_dir`),  
2