Package ‘rstudio.prefs’

October 14, 2022

Title  Set ‘RStudio’ Preferences

Version  0.1.9

Description  As of ‘RStudio’ v1.3, the preferences in the Global Options dialog (and a number of other preferences that aren’t) are now saved in simple, plain-text JSON files. This package provides an interface for working with these ‘RStudio’ JSON preference files to easily make modifications without using the point-and-click option menus. This is particularly helpful when working on teams to ensure a unified experience across machines and utilizing settings for best practices.

License  GPL (>= 3)


BugReports  https://github.com/ddsjoberg/rstudio.prefs/issues

Depends  R (>= 3.4)

Imports  cli (>= 2.5.0), dplyr (>= 1.0.6), fs (>= 1.5.0), jsonlite (>= 1.7.2), purrr (>= 0.3.4), rappdirs (>= 0.3.3), rlang (>= 0.4.11), rstudioapi (>= 0.13), rvest (>= 1.0.0), tibble (>= 3.1.2)

Suggests  covr (>= 3.5.1), spelling (>= 2.2), testthat (>= 3.0.0)

Config/testthat/edition  3

Encoding  UTF-8

Language  en-US

RoxygenNote  7.2.0

NeedsCompilation  no

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Repository  CRAN

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check_min_rstudio_version

Description

Return error if minimum version requirement not met.

Usage

check_min_rstudio_version(version)

Arguments

version string of min required version number

Value

path string to RStudio rstudio-prefs.json file

Author(s)

Daniel D. Sjoberg

Examples

if (interactive()) {
  check_min_rstudio_version()
}
fetch_rstudioPrefs

Fetch table of RStudio Preferences

Description

Preferences are fetched from https://docs.rstudio.com/ide/server-pro/session-user-settings.html.

Usage

fetch_rstudioPrefs()

Value

tibble

Details

Only preferences of type "boolean", "string", "number", "integer", and "array" are fetched from the table. TODO: Research how type "object" are passed and include in the fetched preferences table.

Examples

fetch_rstudioPrefs()

make_path_norm

Normalize Path Add-in

Description

Wrapper to execute fs::path_norm() as a shortcut on highlighted text. The updated text will be converted in place to a path normalized for the environment currently in use. For instance, \ or \ will be converted to / on Windows machines. See below for process of setting shortcut.

Usage

make_path_norm()
repo_string_as_named_list

Convert secondary repo string to named list

Description

The secondary repo string uses | to separate the repo names and their values, as well as two different repos, e.g. "ropensci|https://ropensci.r-universe.dev|ddsjoberg|https://ddsjoberg.r-universe.dev".

Usage

repo_string_as_named_list(x)

Arguments

x secondary repository string from "rstudio-prefs.json" -> "cran_mirror" => "secondary"
rstudio_config_path

Value

named list

Author(s)

Daniel D. Sjoberg

Examples

repo_string_as_named_list(
)

rstudio_config_path RStudio Config Path

Description

Copy of the internal function usethis::rstudio_config_path()

Usage

rstudio_config_path(...)

Arguments

... strings added to the RStudio config path

Value

path string to RStudio rstudio-prefs.json file

Author(s)

Daniel D. Sjoberg

Examples

if (interactive()) {
  rstudio_config_path()
}
use_rstudio_keyboard_shortcut

Set RStudio Keyboard Shortcuts

Description

This function updates the RStudio keyboard shortcuts saved in the addins.json file.

Usage

use_rstudio_keyboard_shortcut(..., .write_json = TRUE, .backup = TRUE)

Arguments

... series of RStudio keyboard shortcuts to update. The argument name is the keyboard shortcut, and the value is a string of the function name that will execute. See examples.

.write_json logical indicating whether to update and overwrite the existing JSON file of options. Default is TRUE. When FALSE, the function will return a list of all options, instead of writing them to file.

.backup logical indicating whether to create a back-up of preferences file before it's updated. Default is TRUE

Value

NULL, updates RStudio addins.json file

Author(s)

Daniel D. Sjoberg

Examples

use_rstudio_keyboard_shortcut(
  "Ctrl+Shift+/" = "rstudio.prefs::make_path_norm"
)
use rstudio_prefs  

Set RStudio Preferences

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**Description**

This function updates the RStudio preferences saved in the `rstudio-prefs.json` file. A full listing of preferences that may be modified are listed here [https://docs.rstudio.com/ide/server-pro/session-user-settings.html](https://docs.rstudio.com/ide/server-pro/session-user-settings.html)

**Usage**

```r
use_rstudio_prefs(...) 
```

**Arguments**

...  

series of RStudio preferences to update, e.g. `always_save_history = FALSE`, `rainbow_parentheses = TRUE`

**Value**

NULL, updates RStudio `rstudio-prefs.json` file

**Author(s)**

Daniel D. Sjoberg

**Examples**

```r
# pass preferences individually -------------------
use_rstudio_prefs(
    always_save_history = FALSE,
    rainbow_parentheses = TRUE
)

# pass a list of preferences ----------------------
pref_list <-
    list(always_save_history = FALSE,
         rainbow_parentheses = TRUE)

use_rstudio_prefs(list(pref_list)
```


use_rstudio_secondary_repo

Set RStudio Secondary Repository

Description
This function updates the RStudio preferences saved in the rstudio-prefs.json file to include the secondary repositories passed my the user. If a new name for an existing repository is passed by the user, the name will be updated in the JSON file.

Usage
use_rstudio_secondary_repo(...)

Arguments
...  series of named secondary repositories, e.g. ropensci = "https://ropensci.r-universe.dev"

Details
A note for users outside of the USA. If the country in .$cran_mirror$country has not been previously recorded in the JSON preferences file (typically, auto set by RStudio), the use_rstudio_secondary_repo() function will set "country" = "us".

Value
NULL, updates RStudio rstudio-prefs.json file

Author(s)
Daniel D. Sjoberg

Examples
use_rstudio_secondary_repo(
  ropensci = "https://ropensci.r-universe.dev",
  ddsjoberg = "https://ddsjoberg.r-universe.dev"
)
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