Package ‘rstudio.prefs’

November 15, 2021

Title   Set 'RStudio' Preferences
Version 0.1.8

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)

URL https://github.com/ddsjoberg/rstudio.prefs,
       https://www.danieldsjoberg.com/rstudio.prefs/index.html

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)

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check_min_rstudio_version

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_rstudio_prefs  Fetch table of RStudio Preferences

Description

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

Usage

fetch_rstudio_prefs()

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_rstudio_prefs()

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"
**Value**

named list

**Author(s)**

Daniel D. Sjoberg

**Examples**

```r
repo_string_as_named_list(
)
```

---

**Description**

Copy of the internal function `usethis:::rstudio_config_path()`

**Usage**

```r
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**

```r
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"
)
Set RStudio Preferences

Description

This function updates the RStudio preferences saved in the \texttt{rstudio-prefs.json} file. A full listing of preferences that may be modified are listed here \url{https://docs.rstudio.com/ide/server-pro/session-user-settings.html}

Usage

\begin{verbatim}
use_rstudio_prefs(..., .write_json = TRUE, .backup = TRUE)
\end{verbatim}

Arguments

\begin{itemize}
\item \ldots\; series of RStudio preferences to update, e.g. always\_save\_history = FALSE, rainbow\_parentheses = TRUE
\item .write\_json \; logical indicating whether to update and overwrite the existing JSON file of options. Default is \texttt{TRUE}. When \texttt{FALSE}, the function will return a list of all options, instead of writing them to file.
\item .backup \; logical indicating whether to create a back-up of preferences file before it’s updated. Default is \texttt{TRUE}
\end{itemize}

Value

\begin{verbatim}
NULL, updates RStudio rstudio-prefs.json file
\end{verbatim}

Author(s)

Daniel D. Sjoberg

Examples

\begin{verbatim}
# 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(!!!pref_list)
\end{verbatim}
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(..., .write_json = TRUE, .backup = TRUE)

Arguments

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

.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

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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