

Package ‘rstudio.prefs’

September 21, 2021

Title Set 'RStudio' Preferences

Version 0.1.7

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.

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

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

Depends R (>= 3.4)

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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()
```

Details

Add keyboard shortcut for `make_path_norm()` in RStudio, use the `use_rstudio_keyboard_shortcut()` function. Do add it manually, follow the instructions below.

- Install `rstudio.prefs`, and restart RStudio
- Select "Tools" -> "Modify Keyboard Shortcuts...".
- In Search box, type "Make Path Normal".
- Click in the "Shortcut" column on the "Make Path Normal" row.
- Press intended shortcut keys (suggested: `Ctrl+Shift+/`) to set shortcut.
- NOTE: It is possible to override a previously specified key combination with this selection.

Value

normalized path string

See Also

[fs::path_norm](#)

Examples

```
if (interactive()) {
  # set a keyboard shortcut for path normalization
  rstudio.prefs::use_rstudio_keyboard_shortcut(
    "Ctrl+Shift+/" = "rstudio.prefs::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

```
repo_string_as_named_list(  
  'ropensci|https://ropensci.r-universe.dev|ddsjoberg|https://ddsjoberg.r-universe.dev'  
)
```

`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

<code>...</code>	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.
<code>.write_json</code>	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.
<code>.backup</code>	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. Sjöberg

Examples

```
if (interactive()) {  
  use_rstudio_keyboard_shortcut(  
    "Ctrl+Shift+/" = "rstudio.prefs::make_path_norm"  
  )  
}
```

use_rstudio_prefs *Set RStudio Preferences*

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>

Usage

```
use_rstudio_prefs(..., .write_json = TRUE, .backup = TRUE)
```

Arguments

<code>...</code>	series of RStudio preferences to update, e.g. <code>always_save_history = FALSE</code> , <code>rainbow_parentheses = TRUE</code>
<code>.write_json</code>	logical indicating whether to update and overwrite the existing JSON file of options. Default is <code>TRUE</code> . When <code>FALSE</code> , the function will return a list of all options, instead of writing them to file.
<code>.backup</code>	logical indicating whether to create a back-up of preferences file before it's updated. Default is <code>TRUE</code>

Value

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

Author(s)

Daniel D. Sjoberg

Examples

```
if (interactive()) {
  # 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)
}
```

`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 by 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

<code>...</code>	series of named secondary repositories, e.g. <code>ropensci = "https://ropensci.r-universe.dev"</code>
<code>.write_json</code>	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.
<code>.backup</code>	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

```
if (interactive()) {
  use_rstudio_secondary_repo(
    ropensci = "https://ropensci.r-universe.dev",
    ddsjoberg = "https://ddsjoberg.r-universe.dev"
  )
}
```


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