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)

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 (>=
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R **topics documented:**

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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

`...`	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*

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(...)
```

Arguments

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

Value

NULL, updates RStudio rstudio-prefs.json file

Author(s)

Daniel D. Sjoberg

Examples

```
# 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 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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