

Package: rstudio.prefs (via r-universe)

October 9, 2026

Title Manage 'RStudio' Preferences and Addin Shortcuts

Version 0.3.0.9000

Description Provides an interface for working with 'RStudio' preference files to modify settings and addin shortcuts without using point-and-click option menus. Useful for ensuring a unified experience across devices and for enforcing best practices. Also exposes some settings not available in the Global Options dialog.

License GPL (>= 3)

URL <https://github.com/vdwulp/rstudio.prefs>,
<https://vdwulp.github.io/rstudio.prefs/>

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

SystemRequirements RStudio (>= 1.3)

Depends R (>= 3.5)

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), withr (>= 2.3.0)

Config/testthat/edition 3

Encoding UTF-8

Language en-US

Config/roxygen2/version 8.1.0

Config/roxygen2/markdown TRUE

Config/pak/sysreqs cmake make libuv1-dev libxml2-dev libssl-dev

Repository <https://vdwulp.r-universe.dev>

Date/Publication 2026-10-09 16:39:40 UTC

RemoteUrl <https://github.com/vdwulp/rstudio.prefs>

RemoteRef HEAD

RemoteSha 757f31100633a112ac242787fe71b5ed498a117b

Contents

check_min_rstudio_version	2
fetch_rstudio_prefs	3
make_path_norm	3
repo_string_as_named_list	4
rstudio_config_path	5
use_rstudio_keyboard_shortcut	6
use_rstudio_prefs	7
use_rstudio_secondary_repo	8
Index	9

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

Called for its side effect; aborts with an error if the version requirement is not met, otherwise returns invisibly.

Author(s)

Daniel D. Sjoberg

Examples

```
if (interactive()) {
  check_min_rstudio_version("1.3")
}
```

fetch_rstudio_prefs	<i>Fetch RStudio Preferences</i>
---------------------	----------------------------------

Description

Fetches the listing of supported preferences from the [RStudio documentation](#).

Usage

```
fetch_rstudio_prefs()
```

Details

Only preferences of type "boolean", "string", "number", "integer" and "array" are returned. Preferences of type "object" are currently not supported and are ignored.

Value

A tibble containing the RStudio preference definitions.

Examples

```
fetch_rstudio_prefs()
```

make_path_norm	<i>Normalize Path RStudio Addin</i>
----------------	-------------------------------------

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 a shortcut.

Usage

```
make_path_norm()
```

Details

To add a keyboard shortcut for `make_path_norm()` in RStudio, use the [use_rstudio_keyboard_shortcut\(\)](#) function as shown in the example. This demonstrates the use of `rstudio.prefs` to set a keyboard shortcut.

To add a keyboard shortcut manually, follow these steps:

- Install `rstudio.prefs`,

- Restart RStudio,
- Select Tools > Modify Keyboard Shortcuts...,
- In the Search box, type Make Path Normal,
- In the Shortcut column click on the Make Path Normal row,
- Press intended shortcut keys to set shortcut (suggested: Ctrl+Shift+/).

NOTE: It is possible to override a previously specified key combination with this selection.

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|username|https://username.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 (2021-2022)

S.A. van der Wulp (since 2026)

Examples

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

<code>rstudio_config_path</code>	<i>RStudio Config Path</i>
----------------------------------	----------------------------

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. Sjöberg

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, or NULL to remove the shortcut. If a new shortcut shares a key or function with an existing one, the previous binding is removed.
<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 shortcuts, instead of writing them to file.
<code>.backup</code>	logical indicating whether to create a back-up of shortcuts file before it's updated. Default is TRUE.

Value

When `.write_json = FALSE`, a named list of all shortcuts including the updates. Otherwise NULL invisibly.

Author(s)

Daniel D. Sjoberg (2021-2022)

S.A. van der Wulp (since 2026)

Examples

```
# Add a shortcut
use_rstudio_keyboard_shortcut(
  "Ctrl+Shift+/" = "rstudio.prefs::make_path_norm"
)

# Remove a shortcut
use_rstudio_keyboard_shortcut(
  "Ctrl+Shift+/" = NULL
)
```

use_rstudio_prefs	<i>Set RStudio Preferences</i>
-------------------	--------------------------------

Description

Updates RStudio preferences in `rstudio-prefs.json`.

Usage

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

Arguments

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

Details

Preference names, types, and allowed string values are validated against the official RStudio preference definitions before applying changes. A full listing of preferences is available in the [RStudio documentation](#).

Value

Invisibly returns the updated preferences as a named list on success, or `NULL` if no updates were made (no changes, user aborted, or not in an interactive session).

Author(s)

Daniel D. Sjöberg (2021-2022)

S.A. van der Wulp (since 2026)

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)

# Pass array type preference
use_rstudio_prefs(
  busy_exclusion_list = list("tmux", "screen")
)
```

)

use_rstudio_secondary_repo

Set RStudio Secondary Repository

Description

Updates the secondary repositories in `rstudio-prefs.json`.

Usage

```
use_rstudio_secondary_repo(...)
```

Arguments

... a series of named secondary repositories, e.g. `ropensci = "https://ropensci.r-universe.dev"`.
Pass `NULL` to remove a repository, e.g. `ropensci = NULL`. If a URL is passed under a new name, the old name is removed.

Value

Invisibly returns the updated `cran_mirror` preference as a named list on success, or `NULL` if no updates were made (no changes, user aborted, or not in an interactive session).

Author(s)

Daniel D. Sjöberg (2021-2022)

S.A. van der Wulp (since 2026)

Examples

```
# Add a repository
use_rstudio_secondary_repo(
  ropensci = "https://ropensci.r-universe.dev",
  username = "https://username.r-universe.dev"
)

# Remove a repository
use_rstudio_secondary_repo(ropensci = NULL)
```

Index

`check_min_rstudio_version`, [2](#)

`fetch_rstudio_prefs`, [3](#)

`fs::path_norm`, [4](#)

`fs::path_norm()`, [3](#)

`make_path_norm`, [3](#)

`repo_string_as_named_list`, [4](#)

`rstudio_config_path`, [5](#)

`use_rstudio_keyboard_shortcut`, [6](#)

`use_rstudio_keyboard_shortcut()`, [3](#)

`use_rstudio_prefs`, [7](#)

`use_rstudio_secondary_repo`, [8](#)