

Package ‘rprofile’

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Title Load Both User-Global and Project-Specific R Profile Configurations

Version 0.4.0

Description

Use `rprofile::load()` inside a project `.Rprofile` file to ensure that the user-global `.Rprofile` is loaded correctly regardless of its location, and other common resources (in particular `renv`) are also set up correctly.

BugReports <https://github.com/klmr/rprofile/issues>

Depends R (>= 4.1)

Imports utils

Enhances pkgload, renv

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NeedsCompilation no

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load	<i>Initialize an R session by loading the all relevant R profile configurations</i>
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Description

`rprofile::load()` attempts to load the global R profile configuration and any other common project configuration.

Usage

```
rprofile::load(..., isolate = FALSE, renv = TRUE, dotenv = TRUE, dev = TRUE)
```

Arguments

...	ignored; forces named argument passing
isolate	[logical(1)] whether to isolate the project from the global configuration (default: FALSE)
renv	[logical(1)] whether to activate an renv , if present (default: TRUE)
dotenv	[logical(1)] whether to load environment variables defined in a local <code>‘.env’</code> file (default: TRUE)
dev	[logical(1) call] whether to run <code>pkgload::load_all()</code> if the current project is a development package (default: TRUE; see Details)

Details

This function should be the first thing that gets executed inside a project `‘.Rprofile’` file, and it should usually be written exactly as follows: `if (requireNamespace("rprofile", quietly = TRUE)) rprofile::load()` (the `if` being present to ensure that R CMD can still run in the current directory when **rprofile** is not installed).

Unless `isolate = TRUE` is set, the user R profile configuration is preferentially looked up in the `R_PROFILE_USER` environment variable. If that is unset, it is instead loaded from `‘~/Rprofile’`. It is loaded (mostly) *as-if* its code was directly copied into the project `‘.Rprofile’` file. By contrast, if `isolate = TRUE` is set, no attempt to load any further `‘.Rprofile’` files is made.

`rprofile::load()` will by default also activate the **renv** associated with the current project, if any, and will also load environment variables defined in a local `‘.env’` file. These two actions will happen *before* the user profile is loaded. See the **Note** below.

Lastly, `rprofile::load()` will check if the code is being run from an interactive session. If so, and if the project contains a `‘DESCRIPTION’` file, **rprofile** will attempt to load **pkgload** and then execute `pkgload::load_all(export_all = FALSE)`. To avoid disrupting the regular package load order, this action will be deferred until after all default packages (given by `getOption('defaultPackages')`) have been loaded and attached. Users can customize which code should be run by passing an unevaluated expression (instead of TRUE) in the `dev` argument. Since this code will be evaluated *after* the remaining `‘.Rprofile’` code has been run, the argument may refer to functions defined afterwards (see **Examples**).

Value

`rprofile::load()` will invisibly return whether loading the user R profile file succeeded: in case of an error, it returns `FALSE` and converts the error into a warning.

Note

You need to ensure that **renv** is not loaded redundantly in your ``.Rprofile`` file. In other words, please make sure that the line `source("renv/activate.R")`, which **renv** adds automatically, is *not* present in the file. `rprofile::load()` prevents **renv** from subsequently adding this line to the project ``.Rprofile`` file.

Examples

```
# Each option is configurable; in the extreme case, the function does nothing:
rprofile::load(isolate = TRUE, renv = FALSE, dotenv = FALSE, dev = FALSE)

## Not run:
# In general, the following code should be the first line of a project
# `\.Rprofile` file, which first tests whether the package is installed, and then
# loads it and runs the chosen initializations:
if (requireNamespace("rprofile", quietly = TRUE)) rprofile::load()

## End(Not run)

## Not run:
# We can customize how to load development packages:
if (requireNamespace("rprofile", quietly = TRUE)) rprofile::load(dev = quote(reload()))

reload = function () {
  devtools::document()
  devtools::load_all(quiet = TRUE)
}

## End(Not run)
```

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