# 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 particu-
lar 'renv') are also set up
correctly.

**BugReports** https://github.com/klmr/rprofile/issues

**Depends** R (>= 4.1)

**Imports** utils

**Enhances** pkgload, renv

**License** MIT + file LICENSE

**Encoding** UTF-8

**NeedsCompilation** no

**Author** Konrad Rudolph [cre, aut] (ORCID:
<https://orcid.org/0000-0002-9866-7051>),
F. Hoffmann-La Roche AG [cph, fnd]

**Maintainer** Konrad Rudolph <konrad.rudolph@roche.com>

**Repository** CRAN

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load                          *Initialize an R session by loading the all relevant R profile configura-*
                              *tions*

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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 '.env' file (default: TRUE) |
| dev | [logical(1)|call] whether to run pkgload::load_all() 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 un-
evaluated 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 after-
wards (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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