

Package ‘rspm’

October 11, 2025

Type Package

Title 'RStudio' Package Manager

Version 0.7.0

Description Enables binary package installations on Linux distributions.

Provides access to 'RStudio' public repositories at <https://packagemanager.posit.co>, and transparent management of system requirements without administrative privileges. Currently supported distributions are 'CentOS' / 'RHEL', and several 'RHEL' derivatives ('Rocky Linux', 'AlmaLinux', 'Oracle Linux', and 'Amazon Linux'), 'openSUSE' / 'SLES', 'Debian', and 'Ubuntu' LTS.

License MIT + file LICENSE

Encoding UTF-8

OS_type unix

Depends R (>= 4.0.0)

Suggests renv, tinytest

URL <https://cran4linux.github.io/rspm/>

BugReports <https://github.com/cran4linux/rspm/issues>

RoxygenNote 7.3.3

NeedsCompilation no

Author Iñaki Ucar [aut, cph, cre] (ORCID:
<<https://orcid.org/0000-0001-6403-5550>>)

Maintainer Iñaki Ucar <iucar@fedoraproject.org>

Repository CRAN

Date/Publication 2025-10-10 22:50:15 UTC

Contents

rspm-package	2
integration	2
manager	3
renv_init	4

Index**5**

rspm-package	rspm: <i>RStudio Package Manager</i>
--------------	---

Description

Enables binary package installations on Linux distributions. Provides access to RStudio public repositories at <https://packagemanager.posit.co>, and transparent management of system requirements without administrative privileges. Currently supported distributions are CentOS / RHEL, and several RHEL derivatives (Rocky Linux, AlmaLinux, Oracle Linux, Amazon Linux), openSUSE / SLES, Debian, and Ubuntu LTS.

Author(s)

Iñaki Ucar

References

<https://cran4linux.github.io/rspm/>

See Also

[manager](#), [integration](#)

integration	<i>Enable/Disable RStudio Package Manager</i>
-------------	---

Description

Functions to enable or disable RSPM repos as well as the integration of [install_sysreqs](#) into `install.packages` and `update.packages`. When enabled, binary packages are installed from RSPM if available, and system requirements are transparently resolved and installed without root privileges.

Usage

```
enable()
```

```
disable()
```

Details

To enable **rspm** permanently, include the following into your `.Rprofile`:

```
suppressMessages(rspm::enable())
```

Value

No return value, called for side effects.

See Also

[renv_init](#) for **renv** projects.

Examples

```
## Not run:
# install 'units' and all its dependencies from the system repos
rspm::enable()
install.packages("units")

# install packages again from CRAN
rspm::disable()
install.packages("errors")

## End(Not run)
```

manager

Manage System Requirements

Description

Detect, install and configure system requirements. This function is automatically called when the package is enabled via [enable](#). It can also be called manually at any time to update the system requirements.

Usage

```
install_sysreqs()

missing_sysreqs()
```

Value

`install_sysreqs`: No return value, called for side effects.
`missing_sysreqs`: A list of missing libraries, for debugging.

Examples

```
## Not run:
# install 'units' without enabling the integration
install.packages("units")
# then trigger the installation of system requirements manually
rspm::install_sysreqs()
```

```
## End(Not run)
```

renv_init	<i>Initialize an renv Project</i>
-----------	--

Description

Substitutes `renv::init()` to initialize a new **renv** project with **rspm** enabled. This function sets the appropriate infrastructure to activate the integration. Then, packages can be installed normally via `install.packages` and `update.packages`.

Usage

```
renv_init(...)
```

Arguments

... Arguments to be passed to `renv::init()`.

Details

Note that, if `renv::install` or `renv::update` are called directly, then `rspm::install_sysreqs()` needs to be called manually.

Value

The project directory, invisibly. This function is called for its side effects.

Examples

```
## Not run:
# initialize a new project (with an empty R library)
rspm::renv_init()

# install 'units' and all its dependencies from the system repos
install.packages("units")

# install a specific version and install dependencies manually
renv::install("units@0.8-0")
rspm::install_sysreqs()

## End(Not run)
```

Index

`disable (integration)`, [2](#)

`enable`, [3](#)

`enable (integration)`, [2](#)

`install_sysreqs`, [2](#)

`install_sysreqs (manager)`, [3](#)

`integration`, [2](#), [2](#)

`manager`, [2](#), [3](#)

`missing_sysreqs (manager)`, [3](#)

`renv_init`, [3](#), [4](#)

`rspm (rspm-package)`, [2](#)

`rspm-package`, [2](#)