

# Package ‘rspm’

May 20, 2024

**Type** Package

**Title** 'RStudio' Package Manager

**Version** 0.5.3

**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' 7-9, and several 'RHEL' derivatives ('Rocky Linux', 'AlmaLinux', 'Oracle Linux', and 'Amazon Linux' 2), 'openSUSE' / 'SLES' 15.4-5, 'Debian' 11-12, and 'Ubuntu' LTS 20-22.

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**Encoding** UTF-8

**OS\_type** unix

**Suggests** renv, tinytest

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

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

**RoxygenNote** 7.2.3

**NeedsCompilation** no

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**Repository** CRAN

**Date/Publication** 2024-05-20 12:20:02 UTC

## R topics documented:

rspm-package . . . . .	2
integration . . . . .	2
manager . . . . .	3
renv_init . . . . .	4

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rspm-package	<b>rspm</b> : <i>RStudio Package Manager</i>
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### 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 7-9, and several RHEL derivatives (Rocky Linux, AlmaLinux, Oracle Linux, Amazon Linux 2), openSUSE / SLES 15.4-5, Debian 11-12, and Ubuntu LTS 20-22.

### Author(s)

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### References

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

### See Also

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

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integration	<i>Enable/Disable RStudio Package Manager</i>
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### 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)
```

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manager

*Manage System Requirements*

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**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)
```

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renv_init	<i>Initialize an <b>renv</b> Project</i>
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### 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-package`, 2