

Package ‘rspm’

June 21, 2024

Type Package

Title 'RStudio' Package Manager

Version 0.6.0

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' 7-9, and several 'RHEL' derivatives ('Rocky Linux', 'AlmaLinux', 'Oracle Linux', and 'Amazon Linux'), '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>

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NeedsCompilation no

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rspm-package	rspm : <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), 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](#)

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)
```

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>
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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)
```

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