

Package ‘rspm’

August 16, 2022

Type Package

Title 'RStudio' Package Manager

Version 0.2.1

Description Enables binary package installations on Linux distributions. Provides access to 'RStudio' public repositories at <https://packagemanager.rstudio.com>, and transparent management of system requirements without administrative privileges. Currently supported distributions are 'CentOS' / 'RHEL' 7 and 8, and several 'RHEL' derivatives ('Rocky Linux' 8, 'AlmaLinux' 8, 'Oracle Linux' 7 and 8, 'Amazon Linux' 2), 'openSUSE' / 'SLES' 15.3, and 'Ubuntu' 18.04, 20.04 and 22.04.

License GPL-2 | GPL-3 | MIT + file LICENSE

Copyright file COPYRIGHTS

Encoding UTF-8

OS_type unix

Suggests renv, tinytest

URL <https://enchufa2.github.io/rspm/>

BugReports <https://github.com/Enchufa2/rspm/issues>

RoxygenNote 7.2.1

NeedsCompilation no

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

Maintainer Iñaki Ucar <iucar@fedoraproject.org>

Repository CRAN

Date/Publication 2022-08-16 09:20:02 UTC

R topics documented:

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.rstudio.com>, and transparent management of system requirements without administrative privileges. Currently supported distributions are CentOS / RHEL 7 and 8, and several RHEL derivatives (Rocky Linux 8, AlmaLinux 8, Oracle Linux 7 and 8, Amazon Linux 2), openSUSE / SLES 15.3, and Ubuntu 18.04, 20.04 and 22.04.

Author(s)

Iñaki Ucar

References

<https://enchufa2.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()
```

Value

No return value, called for side effects.

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`*Initialize an **renv** Project*

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

`renv_init`, 3, 4

`rspm-package`, 2