

Package ‘rdeps’

October 2, 2025

Type Package

Title Identify External Packages Used in a Project

Version 0.4

Description Screens all '.R', '.Rmd', and '.qmd' files to extract the name of packages used in a project. This package detects packages called with 'library(foo)', 'require(foo)', 'foo::bar()' and 'use(`foo`, `bar`)' and adds these dependencies in the DESCRIPTION file in the sections Depends, Imports, and Suggests.

URL <https://github.com/frbcesab/rdeps>

BugReports <https://github.com/frbcesab/rdeps/issues>

License GPL (>= 2)

Encoding UTF-8

RoxygenNote 7.3.3

Imports cli, utils

NeedsCompilation no

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`add_deps`*Add required dependencies to the description file*

Description

This function detects external packages used in an R project (package, compendium, website, etc.) and updates the sections **Depends**, **Imports**, and **Suggests** of the DESCRIPTION file.

A DESCRIPTION file can be created and added to an existing project with the function `use_description()` of the package `usethis`.

All `.R`, `.Rmd`, and `.qmd` files are screened to identify packages called by `library(foo)`, `library("foo")`, `library('foo')`, `require(foo)`, `require("foo")`, `require('foo')`, `foo::bar()` or `use("foo", "bar")`.

Different types of dependencies are handled with the following rules:

- if a package is called with `library(foo)` or `require(foo)`, it will be added to the section **Depends** of the DESCRIPTION file (except for vignettes and tests);
- if the package is called with `foo::bar()` or `use("foo", "bar")`, it will be added to the section **Imports** of the DESCRIPTION file (except for vignettes and tests);
- if the package is only used in vignettes or tests, it will be added to the section **Suggests** of the DESCRIPTION file.

This function also screens the NAMESPACE file (it detects packages mentioned as `import(foo)` and `importFrom(foo, bar)`) and `@examples` sections of roxygen2 headers. The detected packages are added in the **Imports** section of the DESCRIPTION file.

If the project is not an R package, non-standard folders are also screened (i.e. `analyses/`, `paper/`, etc.). The detected packages are added in the **Imports** section of the DESCRIPTION file.

Usage

```
add_deps()
```

Value

No return value.

Examples

```
## Not run:  
add_deps()  
  
## End(Not run)
```

add_to_rdepsignore *Add to the .rdepsignore file*

Description

This function adds files/folders to the .rdepsignore file. The .rdepsignore file is used by rdeps to ignore files or folders when detecting dependencies. This plain text file contains a list of files/folders to be ignored.

This file will be created if it does not exist and will be added to the .Rbuildignore file.

Usage

```
add_to_rdepsignore(x)
```

Arguments

x A character vector. One or several file/folder names to be added to the .rdepsignore. This argument is mandatory.

Value

No return value.

Examples

```
## Not run:  
add_to_rdepsignore("analyses/misc")  
add_to_rdepsignore("analyses/old_scripts.R")  
  
## End(Not run)
```

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