

# Package ‘deps’

June 27, 2023

**Type** Package

**Title** Dependency Management with 'roxygen'-Style Comments

**Version** 0.2.0

**Date** 2023-06-26

**Description** Manage your source code dependencies  
by decorating your existing R code with special,  
'roxygen'-style comments.

**License** MIT + file LICENSE

**LazyLoad** yes

**Imports** renv, jsonlite, remotes

**RoxygenNote** 7.2.3

**Encoding** UTF-8

**BugReports** <https://github.com/analythium/deps/issues>

**URL** <https://github.com/analythium/deps>

**Language** en-US

**NeedsCompilation** no

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**Repository** CRAN

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create *Create a Dependencies JSON File*

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## Description

Discover dependencies and write a `dependencies.json` file.

## Usage

```
create(  
  dir = getwd(),  
  file = "dependencies.json",  
  output = dir,  
  platform = NULL,  
  installed = c("base", "recommended"),  
  overwrite = TRUE,  
  ask = TRUE  
)
```

## Arguments

<code>dir</code>	Path to the directory where the files to be scanned are located.
<code>file</code>	The name of the file to be save, default is <code>"dependencies.json"</code> .
<code>output</code>	Path to the directory where JSON file should be written to.
<code>platform</code>	The platform supplied to <code>sysreqs()</code> . It can be <code>NULL</code> when the value of the <code>R_DEPS_PLATFORM</code> environment variable is used when set, defaults to <code>"DEB"</code> when <code>R_DEPS_PLATFORM</code> is unset. It can be <code>NA</code> in which case no system requirements are returned.
<code>installed</code>	The priority argument for <code>installed.packages()</code> for packages to be excluded.
<code>overwrite</code>	Logical, should the file in the output directory be overwritten if exists?
<code>ask</code>	Logical, asking confirmation before writing the <code>dependencies.json</code> file.

## Value

Invisibly returns the list of file names that were created. The side effect is a JSON (and possibly a text for system requirements) file written to the hard drive. The function fails when there are no R related files in `dir`.

## Examples

```
dir <- system.file("examples/01-basic", package = "deps")  
out <- tempdir()  
create(dir, output = out, ask = interactive())  
cat(readLines(file.path(out, "dependencies.json")), sep = "\n")  
unlink(file.path(out, "dependencies.json"))
```

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install	<i>Install Dependencies</i>
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**Description**

Install dependencies from an existing `dependencies.json` file or after discovering the dependencies.

**Usage**

```
install(  
  dir = getwd(),  
  file = "dependencies.json",  
  upgrade = "never",  
  cleanup = TRUE,  
  timeout = 300L,  
  ask = TRUE,  
  ...  
)
```

**Arguments**

<code>dir</code>	Path to the directory where the JSON file should be written to.
<code>file</code>	The name of the file to be save, default is <code>"dependencies.json"</code> . If the file is not found in <code>dir</code> , <code>create()</code> is called.
<code>upgrade</code>	Should package dependencies be upgraded? Argument passed to <code>remotes</code> functions.
<code>cleanup</code>	Logical, clean up files created by <code>create()</code> when <code>file</code> does not exist.
<code>timeout</code>	Integer, timeout for file downloads (default 60 seconds can be short).
<code>ask</code>	Logical, asking confirmation before writing the <code>dependencies.json</code> file.
<code>...</code>	Other argument passed to <code>remotes</code> functions.

**Value**

Returns `NULL` invisibly. The side effect is the dependencies installed.

**Examples**

```
dir <- system.file("examples/01-basic", package = "deps")  
out <- tempdir()  
create(dir, output = out, ask = interactive())  
cat(readLines(file.path(out, "dependencies.json")), sep = "\n")  
## Not run:  
install(out)  
  
## End(Not run)  
unlink(file.path(out, "dependencies.json"))
```

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