

# Package: anyLib (via r-universe)

August 30, 2024

**Type** Package

**Title** Install and Load Any Package from CRAN, Bioconductor or Github

**Version** 1.0.5

**Description** Made to make your life simpler with packages, by installing and loading a list of packages, whether they are on CRAN, Bioconductor or github. For github, if you do not have the full path, with the maintainer name in it (e.g. ``achateigner/topReviGO"), it will be able to load it but not to install it.

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**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.0.1

**Imports** devtools, withr, BiocManager, httr, curl

**Suggests** knitr, rmarkdown, testthat

**VignetteBuilder** knitr

**Repository** <https://achateigner.r-universe.dev>

**RemoteUrl** <https://github.com/achateigner/anylib>

**RemoteRef** HEAD

**RemoteSha** 1eb927e9d12ce97f106f5ffd682fdae37f8fde38

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`anyLib`*Install and load any library*

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### Description

Made to make your life simpler with packages/libraries, by installing and loading a list of packages, whether they are on CRAN, Bioconductor or github. For github, if you do not have the full path, with the maintainer name in it (e.g. "achateigner/topReviGO"), it will not be able to install it. However, once installed you only need the name of the package. For more details see the help vignette: `vignette("help", package = "anyLib")`

### Usage

```
anyLib(pkg, force = FALSE, autoUpdate = TRUE, lib = .libPaths()[1],
       loadLib = .libPaths(), source = FALSE)
```

### Arguments

<code>pkg</code>	The package name or the list containing the packages names.
<code>force</code>	To force reinstallation of packages.
<code>autoUpdate</code>	To select whether Bioconductor packages auto update or not.
<code>lib</code>	Where to install the packages
<code>loadLib</code>	From where the packages are loaded
<code>source</code>	The package to install is a local source file, on the user disk.

### Details

The source option can be a single TRUE or FALSE, or a vector of TRUE and FALSE corresponding to the vector/list of packages. E.g. if `source == c(TRUE, FALSE)`, the first package will be considered as a source file. The file has to be a tar.gz source file, not a binary.

### Value

A named vector of booleans showing if the package is loaded properly

### Examples

```
# Install and load 1 package from a local source file, which name is in an object:
lib <- normalizePath(tempdir(), "/")
listOfPackages <- system.file("dummyPackage_0.1.0.tar.gz", package="anyLib")
anyLib(listOfPackages, force = TRUE, autoUpdate = FALSE, lib = lib,
       loadLib = lib, source = TRUE)
```

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