Package: universe (via r-universe)

December 21, 2024

Type Package

Title Tools for Working with R-universe <https://r-universe.dev>

Version 1.0.0

Description Utilities to interact with the R-universe platform.
Includes functions to manage local package repositories, as
well as API wrappers for retrieving data and metadata about
packages in r-universe.

License Apache License (>= 2)

URL <https://docs.ropensci.org/universe/>,

<https://github.com/ropensci/universe>

BugReports <https://github.com/ropensci/universe/issues>

Depends R (>= 4.1.0)

Imports cli, curl, httr2, rlang, withr

Suggests fs, httptest2, knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/Needs/build moodymudskipper/devtag

Config/testthat/edition 3

Encoding UTF-8

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``namespace'', ``devtag::dev_roclet''))

RoxygenNote 7.3.2

Config/pak/sysreqs libssl-dev

Repository https://ropensci.r-universe.dev

RemoteUrl https://github.com/ropensci/universe

RemoteRef main

RemoteSha 3f0b640ef933674c249504f399fc64a93560031c

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add   *Enable a package repository from r-universe*

Description

Adds r-universe package repositories to your `options("repos")` such that they are used by default in `install.packages()`. If the universe was already enabled, it will not be added again, hence it is harmless to call this function multiple times.

Usage

```
add(universe = "ropensci")

remove(universe)
```

Arguments

universe   vector with name(s) of the universe(s), i.e. the subdomain part of `https://ropensci.r-universe.dev`.

Details

Note that changes to your options are not permanent. To automatically enable a repository for every R session, you can call this function in your [`~/.Rprofile`](~/.Rprofile) script.

Value

the updated list of repositories

Examples

```
add("ropensci")
```

---

everyone *All universes*

Description

All universes

Usage

```
everyone(type = c("all", "universes", "maintainers"))
```

Arguments

type   Type of universe to query: "all", only organizations ("universe"), personal accounts ("maintainer").

Value

A character vector of all universes.

Examples

```
head(everyone())
```

---

global_search *Search among all universes*

Description

Search among all universes

Usage

```
global_search(query, limit = 100L)
```

Arguments

query   Query string. See R-universe docs.

limit   Number of results to return (integer of length 1)

Value

A list with query results. The total field indicates the total number of results and can be used as limit value in a second call.

Examples

```
global_search(query = '"weather data"', limit = 1)
global_search(query = 'needs:httr2', limit = 1)
```

---

repo_snapshot   *Download snapshot*

Description

Downloads a full copy (snapshot) of an R package repository.

Usage

```
repo_snapshot(repo, destdir = "snapshot", bin_versions = r_version())

r_version()
```

Arguments

repo	url of the cran-like repository to snapshot
destdir	where to save the snapshots (path).
bin_versions	vector with versions of R to download the win/mac binary packages. The default is to download binaries only for your local version. Set to NULL to not download any binaries.

Value

None, used for its side-effects.

Examples

```
repo_snapshot(
  "https://jeroen.r-universe.dev",
   bin_versions = c("4.1", "4.2", "4.3")
)
```

---

universe_all_packages *Info on all packages in an universe*

Description

Info on all packages in an universe

Usage

```
universe_all_packages(universe, limit = 100L)
```

Arguments

universe	Name of the universe (character of length 1)
limit	Number of results to return (integer of length 1)

Value

A list with information on all packages in the universe.

See Also

Other universe: `universe_ls()`, `universe_one_package()`, `universe_search()`

Examples

```
universe_all_packages("jeroen")
universe_all_packages("ropensci")
```

---

universe_ls *All packages in an universe*

Description

All packages in an universe

Usage

```
universe_ls(universe)
```

Arguments

universe	Name of the universe (character of length 1)

Value

A character vector of all packages in the universe.

See Also

Other universe: universe_all_packages(), universe_one_package(), universe_search()

Examples

```
universe_ls("jeroen")
universe_ls("ropensci")
```

---

universe_one_package   *Info on a single packages in an universe*

Description

Info on a single packages in an universe

Usage

```
universe_one_package(universe, package)
```

Arguments

| universe | Name of the universe (character of length 1) |
| package | Name of the package (character of length 1) |

Value

A list with information on the package.

See Also

Other universe: universe_all_packages(), universe_ls(), universe_search()

Examples

```
universe_one_package("jeroen", package = "curl")
```

---

universe_search   *Search within a single universe*

Description

Search within a single universe

Usage

```
universe_search(universe, query, limit = 100L)
```

Arguments

universe	Name of the universe (character of length 1)
query	Query string. See R-universe docs.
limit	Number of results to return (integer of length 1)

Value

A list with query results. The total field indicates the total number of results and can be used as limit value in a second call.

See Also

Other universe: universe_all_packages(), universe_ls(), universe_one_package()

Examples

```
universe_search("ropensci", query = '"weather data"')
universe_search("ropensci", query = 'needs:httr2')
```

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