

Package ‘bindr’

November 21, 2024

Title Parametrized Active Bindings

Version 0.1.2

Description Provides a simple interface for creating active bindings where the bound function accepts additional arguments.

Suggests testthat

Date 2024-11-21

BugReports <https://github.com/krlmlr/bindr/issues>

URL <https://github.com/krlmlr/bindr>, <https://krlmlr.github.io/bindr/>

RoxygenNote 7.3.2.9000

License MIT + file LICENSE

Encoding UTF-8

NeedsCompilation no

Author Kirill Müller [aut, cre] (<<https://orcid.org/0000-0002-1416-3412>>),
RStudio [cph, fnd]

Maintainer Kirill Müller <kirill@cynkra.com>

Repository CRAN

Date/Publication 2024-11-21 21:30:14 UTC

Contents

| | |
|-------------------------|---|
| bindr-package | 2 |
| create_env | 2 |

| | |
|--------------|----------|
| Index | 4 |
|--------------|----------|

bindr-package

bindr: Parametrized Active Bindings

Description

Provides a simple interface for creating active bindings where the bound function accepts additional arguments.

Details

See `create_env()` for creating an environment populated with active bindings, and `populate_env()` for populating an existing environment.

Author(s)

Maintainer: Kirill Müller <kirill@cynkra.com> ([ORCID](#))

Other contributors:

- RStudio [copyright holder, funder]

See Also

Useful links:

- <https://github.com/krlmlr/bindr>
- <https://krlmlr.github.io/bindr/>
- Report bugs at <https://github.com/krlmlr/bindr/issues>

create_env

Create or populate an environment with parametrized active bindings

Description

Leverages `makeActiveBinding()` by allowing parametrized functions that take the name of the binding and an arbitrary number of additional arguments.

Usage

```
create_env(names, fun, ..., .envir = parent.frame(), .enclos = parent.frame())
```

```
populate_env(env, names, fun, ..., .envir = parent.frame())
```

Arguments

| | |
|---------|--|
| names | A name , or a list of names, or a character vector; in the latter case the names are mangled if they are not representable in the native encoding |
| fun | A function with at least one argument, which will be called to compute the value of a binding. The function will be called with the binding name as first argument (unnamed), and ... as additional arguments |
| ... | Additional arguments to fun |
| .envir | The environment in which fun will be executed, important if fun calls other functions that are not globally visible |
| .enclos | The enclosing environment (parent .env) for the newly created environment |
| env | An environment |

Examples

```
env <- create_env(letters, paste0, "-lowercase")
env$a
env$c
env$Z
populate_env(env, LETTERS, paste0, "-uppercase")
env$a
env$Z
```

Index

`bindr` (`bindr`-package), 2
`bindr`-package, 2

`create_env`, 2
`create_env()`, 2

environment, 3

function, 3

`makeActiveBinding()`, 2

name, 3

`populate_env` (`create_env`), 2
`populate_env()`, 2