Package ‘bindrcpp’

March 29, 2018

Title An 'Rcpp' Interface to Active Bindings
Version 0.2.2
Date 2018-03-29
Description Provides an easy way to fill an environment with active bindings that call a C++ function.
License MIT + file LICENSE
URL https://github.com/krlmlr/bindrcpp,
    https://krlmlr.github.io/bindrcpp
BugReports https://github.com/krlmlr/bindrcpp/issues
Imports bindr (>= 0.1.1), Rcpp (>= 0.12.16)
Suggests testthat
LinkingTo plogr, Rcpp
Encoding UTF-8
LazyData true
RoxygenNote 6.0.1.9000
NeedsCompilation yes
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Repository CRAN
Date/Publication 2018-03-29 14:09:09 UTC

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Description

Provides an easy way to fill an environment with active bindings that call a C++ function.

Details

Use `LinkingTo: bindrcpp` in DESCRIPTION and `#include <bindrcpp.h>` in your C++ headers and/or modules to access the C++ functions provided by this package:

- `create_env_string()` creates an environment with active bindings, with names given as a character vector. Access of these bindings triggers a call to a C++ function with a fixed signature (`GETTER_FUNC_STRING`); this call contains the name of the binding (as character) and an arbitrary payload (`PAYLOAD`, essentially a wrapped `void*`).
- `create_env_symbol()` is similar, the callback function accepts the name of the binding as symbol instead of character (`GETTER_FUNC_SYMBOL`).
- `populate_env_string()` and `populate_env_symbol()` populate an existing environment instead of creating a new one.

Author(s)

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Other contributors:

- RStudio [copyright holder]

See Also

Useful links:

- [https://github.com/krlmlr/bindrcpp](https://github.com/krlmlr/bindrcpp)
- [https://krlmlr.github.io/bindrcpp](https://krlmlr.github.io/bindrcpp)
- Report bugs at [https://github.com/krlmlr/bindrcpp/issues](https://github.com/krlmlr/bindrcpp/issues)
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