

Package 'RInside'

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Title C++ Classes to Embed R in C++ Applications

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Description C++ classes to embed R in C++ applications

The 'RInside' packages makes it easier to have "R inside" your C++ application by providing a C++ wrapper class providing the R interpreter.

As R itself is embedded into your application, a shared library build of R is required. This works on Linux, OS X and even on Windows provided you use the same tools used to build R itself.

Numerous examples are provided in the eight subdirectories of the examples/ directory of the installed package: standard, mpi (for parallel computing) qt (showing how to embed 'RInside' inside a Qt GUI application), wt (showing how to build a "web-application" using the Wt toolkit), armadillo (for 'RInside' use with 'RcppArmadillo') and eigen (for 'RInside' use with 'RcppEigen').

The example use GNUmakefile(s) with GNU extensions, so a GNU make is required (and will use the GNUmakefile automatically).

Doxygen-generated documentation of the C++ classes is available at the 'RInside' website as well.

Depends R (>= 2.10.0)

Imports Rcpp (>= 0.11.0)

LinkingTo Rcpp

URL <http://dirk.eddelbuettel.com/code/rinside.html>

License GPL (>= 2)

BugReports <https://github.com/eddelbuettel/rinside/issues>

MailingList Please send questions and comments regarding RInside to rccp-devel@lists.r-forge.r-project.org

NeedsCompilation yes

Repository CRAN

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RInside-package *Embedding R in C++ applications*

Description

The **RInside** package makes it easier to embed R in your C++ applications. There is no code you would execute directly from the R environment. Rather, you write C++ programs that embed R which is illustrated by some the included examples.

Author(s)

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