

# Package ‘RInside’

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**Title** C++ Classes to Embed R in C++ (and C) Applications

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**Description** C++ classes to embed R in C++ (and C) applications

A C++ class providing the R interpreter is offered by this package making it easier to have “R inside” your C++ application. 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 nine 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'), 'eigen' (for 'RInside' use with 'RcppEigen'), and 'c\_interface' for a basic C interface and 'Ruby' illustration. The examples 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.

**Imports** Rcpp

**LinkingTo** Rcpp

**URL** <https://github.com/eddelbuettel/rinside/>,  
<https://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  
rcpp-devel@lists.r-forge.r-project.org

**NeedsCompilation** yes

**Repository** CRAN

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## Contents

RInside-package . . . . .	2
<b>Index</b>	<b>3</b>

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RInside-package	<i>Embedding R in C++ applications</i>
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### 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)

Dirk Eddelbuettel and Romain Francois

# Index

\* **interface**

RInside-package, [2](#)

\* **programming**

RInside-package, [2](#)

RInside (RInside-package), [2](#)

RInside-package, [2](#)