

Rcpp (version 1.0.9)

compileAttributes: Compile Rcpp Attributes for a Package

Description

Scan the source files within a package for attributes and generate code as required. Generates the bindings required to call C++ functions from R for functions adorned with the ``Rcpp::export`` attribute.

Usage

```
compileAttributes(pkgdir = ".", verbose = getOption("verbose"))
```

Value

Returns (invisibly) a character vector with the paths to any files that were updated as a result of the call.

Arguments

pkgdir

Directory containing the package to compile attributes for (defaults to the current working directory).

verbose

``TRUE`` to print detailed information about generated code to the console.

Details

The source files in the package directory given by ``pkgdir`` are scanned for attributes and code is generated as required based on the attributes.

For C++ functions adorned with the ``Rcpp::export`` attribute, the C++ and R source code required to bind to the function from R is generated and added (respectively) to ``src/RcppExports.cpp`` or ``R/RcppExports.R``. Both of these files are automatically generated from *scratch* each time ``compiledAttributes`` is run.

In order to access the declarations for custom ``Rcpp::as`` and ``Rcpp::wrap`` handlers the ``compileAttributes`` function will also call any inline plugins available for packages listed in the ``LinkingTo`` field of the ``DESCRIPTION`` file.

See Also

``Rcpp::export`, `Rcpp::interfaces``

Examples

Run this code

```
if (FALSE) {  
  
  # Compile attributes for package in the current working dir  
  compileAttributes()  
}
```

Run the code above in your browser using [DataCamp Workspace](#)

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