Package 'compdb'

January 31, 2025

Title Generate Compilation Database for Use with 'Clang' Tools

Version 0.0.1

Description Many modern C/C++ development tools in the 'clang' toolchain,
such as 'clang-tidy' or 'clangd', rely on the presence of a compilation database
in JSON format <https://clang.llvm.org/docs/JSONCompilationDatabase.html>.
This package temporarily injects additional build flags into the R build
process to generate such a compilation database.

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Language en-US

Encoding UTF-8

OS_type unix

SystemRequirements Clang >= 5.0

RoxygenNote 7.3.2

Imports tools, callr, cli, pkgbuild, utils, withr

URL <https://github.com/cyianor/r-compdb>

BugReports <https://github.com/cyianor/r-compdb/issues>

Suggests fs, jsonlite, testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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Repository CRAN

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add_ignore   *Add to ignore file*

Description

Add to ignore file

Usage

```
add_ignore(file, add, path = ".")
```

Arguments

file	Either ".Rbuildignore" or ".gitignore"
add	The lines to add
path	Path to the package

Value

Returns TRUE invisibly

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build_compile_commands

                    Generate Compilation Database for Use with Clang Tools

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Description

Generate Compilation Database for Use with Clang Tools

Usage

```
build_compile_commands(path = ".", debug = FALSE)
```

Arguments

path	The path of the package
debug	Set to TRUE to get verbose output

Value

This function invisibly returns TRUE on success.

Examples

```
## Not run:
build_compile_commands(path = ".")

## End(Not run)
```

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get_makevars   *Determine Path to Makevars File and Check if it Already Exists*

Description

Determine Path to Makevars File and Check if it Already Exists

Usage

```
get_makevars(path = ".")
```

Arguments

path   The path of the package

Value

A list containing

path   The absolute path to the Makevars file
exists   Whether or not the Makevars file currently exists

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has_clang   *Check Whether a Clang Toolchain is Being Used*

Description

Check Whether a Clang Toolchain is Being Used

Usage

```
has_clang()
```

Value

A logical indicating whether clang is used as a compiler

is_unix	*Checks that We are on a Unix Platform*

Description

Checks that We are on a Unix Platform

Usage

```
is_unix()
```

Value

A logical indicating whether we are on a Unix platform

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