

Package ‘compdb’

July 22, 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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add_ignore	<i>Add to ignore file</i>
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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

build_compile_commands	<i>Generate Compilation Database for Use with Clang Tools</i>
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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)
```

get_makevars	<i>Determine Path to Makevars File and Check if it Already Exists</i>
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Description

Determine Path to Makevars File and Check if it Already Exists

Usage

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

Arguments

path	The path of the package
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Value

A list containing

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

has_clang	<i>Check Whether a Clang Toolchain is Being Used</i>
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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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