

Package ‘RcppSpdlog’

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Type Package

Title 'spdlog' C++ Header Library for Logging

Version 0.0.8

Date 2022-04-04

License GPL (>= 2)

Author Dirk Eddelbuettel

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Description The mature and widely-used C++ logging library 'spdlog' by Gabi Melman provides many desirable features. This package bundles these header files for easy use by R packages via a simple 'LinkingTo:' inclusion.

URL <https://github.com/eddelbuettel/rcppspdlog>,
<https://dirk.eddelbuettel.com/code/rcpp.spdlog.html>

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

LinkingTo Rcpp

Imports Rcpp

Suggests simplrmarkdown

VignetteBuilder simplrmarkdown

RoxygenNote 6.0.1

NeedsCompilation yes

Repository CRAN

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Description

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Details

The DESCRIPTION file:

```
Package:      RcppSpdlog
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Version:      0.0.8
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LinkingTo:    Rcpp
Imports:      Rcpp
Suggests:     simplermarkdown
VignetteBuilder: simplermarkdown
RoxygenNote: 6.0.1
```

Index of help topics:

```
RcppSpdlog-package      'spdlog' C++ Header Library for Logging
exampleRsink            spdlog Example using a sink for R
setLogLevel             spdlog Logging Level Setter
```

This section should provide a more detailed overview of how to use the package, including the most important functions.

Author(s)

Dirk Eddelbuettel
 Maintainer: Dirk Eddelbuettel <edd@debian.org>

References

This optional section can contain literature or other references for background information.

See Also

Optional links to other man pages

Examples

```
## Optional simple examples of the most important functions
## Use \dontrun{} around code to be shown but not executed
```

exampleRsink

spdlog Example using a sink for R

Description

A simple example invoking a derived R/Rcpp logger. Also demonstrates the stopwatch feature. For more features see the 'spdlog' documnetation.

Usage

```
exampleRsink()
```

Details

Note that this no longer triggers R warnings thanks to excellent help by Gabi Melman.

Value

None

Examples

```
exampleRsink()
```

setLogLevel

spdlog Logging Lever Setter

Description

A helper function to turn a logging level given as string into the current logging level

Usage

```
setLogLevel(name)
```

Arguments

name A string with the logging level. Value understood are, in decreasing verbosity 'trace', 'debug', 'info', 'warning', 'error', 'critical', and 'off'. Unrecognised names are equivalent to 'off'.

Value

Nothing is returned.

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