

# Package ‘RcppSpdlog’

December 5, 2021

**Type** Package

**Title** 'spdlog' C++ Header Library for Logging

**Version** 0.0.7

**Date** 2021-12-05

**License** GPL (>= 2)

**Author** Dirk Eddelbuettel

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

**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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RcppSpdlog-package      *'spdlog' C++ Header Library for Logging*

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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.

## Details

The DESCRIPTION file:

```
Package:      RcppSpdlog
Type:         Package
Title:        'spdlog' C++ Header Library for Logging
Version:      0.0.7
Date:         2021-12-05
License:      GPL (>= 2)
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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:     simplermarkdown
VignetteBuilder: simplermarkdown
RoxygenNote: 6.0.1
```

Index of help topics:

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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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