

# Package: tl (via r-universe)

June 22, 2026

**Type** Package

**Title** Tiny Logging Interface to 'rspdlite' Wrapping 'spdlog' C++20 Logging

**Version** 0.0.1

**Date** 2026-05-31

**Description** Just how 'spdlog' provides a nice and consistent interface to 'spdlog' (via 'RcppSpdlog'), this package does so for 'spdlog', the lightweight header-only C++-20 logging library that provides a lighter version of 'spdlog'. This package is essentially a thin shim around it for a more compact interface from both R and C++.

**URL** <https://github.com/eddelbuettel/tl>

**BugReports** <https://github.com/eddelbuettel/tl/issues>

**License** GPL (>= 2)

**Imports** rspdlite

**Suggests** tinytest

**NeedsCompilation** no

**Author** Dirk Eddelbuettel [aut, cre]

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

**Repository** <https://cran.r-universe.dev>

**Date/Publication** 2026-06-22 18:33:19 UTC

**RemoteUrl** <https://github.com/cran/tl>

**RemoteRef** HEAD

**RemoteSha** 3924edbabadeeceb3ce3480e1cb27065e390fe92

## Contents

tl-package . . . . .	2
trace . . . . .	2

<b>Index</b>	<b>4</b>
--------------	----------

---

tl-package	<i>Tiny Logging Interface to 'rspdlite' Wrapping 'spdlog' C++20 Logging</i>
------------	---

---

### Description

Just how 'spdlog' provides a nice and consistent interface to 'spdlog' (via 'RcppSpdlog'), this package does so for 'spdlog', the lightweight header-only C++-20 logging library that provides a lighter version of 'spdlog'. This package is essentially a thin shim around it for a more compact interface from both R and C++.

### Package Content

Index of help topics:

tl-package	Tiny Logging Interface to 'rspdlite' Wrapping 'spdlog' C++20 Logging
trace	Tiny logging wrapper for 'rspdlite'

### Maintainer

Dirk Eddelbuettel <edd@debian.org>

### Author(s)

Dirk Eddelbuettel [aut, cre]

---

trace	<i>Tiny logging wrapper for 'rspdlite'</i>
-------	--

---

### Description

These functions all pass on their arguments to the corresponding function in the **rspdlite** package implementing them. The core purpose of these functions is to provide a 'tighter' interface via the `tl::` prefix from both R and C++, i.e. `tl::debug("Condition met, value {}"`, val) works from both. See the **rspdlite** package for more.

### Usage

`trace(...)`

`debug(...)`

`info(...)`

`warn(...)`

```

error(...)

critical(...)

set_level(...)

get_level()

set_name(...)

get_name()

set_format(utc = FALSE, show_date = TRUE, show_thread_id = FALSE,
           precision = "ms")

```

### Arguments

...	Argument(s) passed along
utc	Boolean flag to select display of current time in UTC rather than local, default is off
show_date	Boolean flag to select display of date part of current, default is on
show_thread_id	Boolean flag to select display of current thread, default is off
precision	Character value for selected time precision: one of "ms" (the default format), "us", "ns" or "none"

### Value

In general, nothing is returned as the functions are invoked for their side effect of logging.

### See Also

**rspdlite**

### Examples

```

lvl <- tl::get_level()
tl::debug("This message is ignored by the default level 'info'.")
tl::info("This message is show by the default level.")
tl::set_level("warn")
tl::info("Now this message at 'info' is ignored too.")
tl::warn("A warning messages passes at level warning. {}", 42L)
tl::set_name("my_logger")
tl::error("Error messages also pass, and see the name set")
tl::set_format(show_thread_id=TRUE, precision="ns")
tl::error("Warning message under changed formatting")
tl::set_level(lvl) # revert to prior level
tl::set_name("") # revert to no name
tl::set_format() # revert to default format

```

# Index

## \* **package**

- tl-package, [2](#)
- critical (trace), [2](#)
- debug (trace), [2](#)
- error (trace), [2](#)
- get\_level (trace), [2](#)
- get\_name (trace), [2](#)
- info (trace), [2](#)
- set\_format (trace), [2](#)
- set\_level (trace), [2](#)
- set\_name (trace), [2](#)
- tl (tl-package), [2](#)
- tl-package, [2](#)
- trace, [2](#)
- warn (trace), [2](#)