

Package ‘teal.logger’

September 8, 2023

Title Logging Setup for the 'teal' Family of Packages

Version 0.1.3

Date 2023-09-05

Description Utilizing the 'logger' framework to record events within a package, specific to 'teal' family of packages.
Supports logging namespaces, hierarchical logging, various log destinations, vectorization, and more.

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Depends R (>= 3.6)

Imports glue, lifecycle, logger (>= 0.2.0), shiny, withr

Suggests knitr, rmarkdown, testthat (>= 2.0)

VignetteBuilder knitr

RdMacros lifecycle

Config/Needs/website insightsengineering/nesttemplate

Encoding UTF-8

Language en-US

RoxygenNote 7.2.3

NeedsCompilation no

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Repository CRAN

Date/Publication 2023-09-08 06:40:02 UTC

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log_system_info	<i>Logs the basic information about the session.</i>
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Description

Logs the basic information about the session.

Usage

```
log_system_info()
```

Value

```
invisible(NULL)
```

register_logger	<i>Registers a logger instance in a given logging namespace.</i>
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Description

[Experimental]

Usage

```
register_logger(namespace = NA_character_, layout = NULL, level = NULL)
```

Arguments

namespace	(character(1) or NA) the name of the logging namespace
layout	(character(1)) the log layout. Alongside the standard logging variables provided by the logging package (e.g. pid) the token variable can be used which will write the last 8 characters of the shiny session token to the log.
level	(character(1) or call) the log level. Can be passed as character or one of the logger's objects. See logger::log_threshold() for more information.

Details

Creates a new logging namespace specified by the namespace argument. When the layout and level arguments are set to NULL (default), the function gets the values for them from system variables or R options. When deciding what to use (either argument, an R option or system variable), the function picks the first non NULL value, checking in order:

1. Function argument.

2. System variable.
3. R option.

layout and level can be set as system environment variables, respectively:

- teal.log_layout as TEAL.LOG_LAYOUT,
- teal.log_level as TEAL.LOG_LEVEL.

If neither the argument nor the environment variable is set the function uses the following R options:

- options(teal.log_layout), which is passed to `logger::layout_glue_generator()`,
- options(teal.log_level), which is passed to `logger::log_threshold()`

The logs are output to stdout by default. Check logger for more information about layouts and how to use logger.

Value

invisible(NULL)

Note

It's a thin wrapper around the logger package.

See Also

The package vignettes for more help: `browseVignettes("teal.logger")`.

Examples

```
options(teal.log_layout = "{msg}")
options(teal.log_level = "ERROR")
register_logger(namespace = "new_namespace")

logger::log_info("Hello from new_namespace", namespace = "new_namespace")
```

suppress_logs

Suppress logger logs

Description

This function suppresses logger when running tests via testthat. To suppress logs for a single test, add this function call within the testthat::test_that expression. To suppress logs for an entire test file, call this function at the start of the file.

Usage

```
suppress_logs()
```

Value

NULL invisible

Examples

```
testthat::test_that("An example test", {  
  suppress_logs()  
  testthat::expect_true(TRUE)  
})
```

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