Package 'log'

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is.log

inputLogger

Input logger

Description

Default logger used to log inputs in logApp().

Usage

input Logger

Format

An object of class Logger (inherits from R6) of length 13.

 ${\tt is.log}$

Log Check

Description

Log Check

Usage

is.log(obj)

Arguments

obj

Object to check.

Value

TRUE if object is a logger, and FALSE otherwise.

Examples

```
info <- Logger$new("INFO")
is.log(info)</pre>
```

Logger Logger

Description

Create a logger.

Public fields

printer A callback function to write the message to the console, must accept a single argument, defaults to cat.

predicate A predicate function that determines whether to actually run the log, useful if you want to switch the logger on and off for debugging.

If the function returns TRUE the logger runs as normal, if FALSE the logger does not actually print, write or dump the messages.

Methods

Public methods:

- Logger\$new()
- Logger\$date()
- Logger\$time()
- Logger\$unix()
- Logger\$hook()
- Logger\$dir()
- Logger\$flag()
- Logger\$log()
- Logger\$dump()
- Logger\$clone()

Method new():

```
Usage:
```

```
Logger new (prefix = NULL, write = FALSE, file = "log.log", sep = "\t")
```

Arguments:

prefix String to prefix all log messages.

write Whether to write the log to the file.

file Name of the file to dump the logs to, only used if write is TRUE.

sep Separator between prefix and other flags and messages.

Details: Initialise

Examples:

```
info <- Logger$new("INFO")
info$log("hello")</pre>
```

```
Method date():
 Usage:
 Logger$date(format = "%d-%m-%Y")
 Arguments:
 format Formatter for the item, passed to format().
 Details: Include the date in the log
 Examples:
 info <- Logger$new("INFO")$date()</pre>
 info$log("today")
Method time():
 Usage:
 Logger$time(format = "%H:%M:%S")
 Arguments:
 format Formatter for the item, passed to format().
 Details: Include the time in the log
 Examples:
 info <- Logger$new("INFO")$time()</pre>
 info$log("now")
Method unix():
 Usage:
 Logger$unix()
 Details: Include the time in the log
 Examples:
 info <- Logger$new("INFO")$unix()</pre>
 info$log("timestamp")
Method hook():
 Usage:
 Logger$hook(fn)
 Arguments:
 fn A function that accepts one argument (string) and returns a modified version of that string.
 Details: Preprocess the prefix with a custom function
 Examples:
 err <- Logger$new("INFO")$hook(crayon::red)</pre>
 err$log("hello")
Method dir():
 Usage:
 Logger$dir()
```

```
Details: Include the directory in the log
 Examples:
 info <- Logger$new("INFO")$dir()</pre>
 info$log("directory")
Method flag():
 Usage:
 Logger$flag(what)
 Arguments:
 what Function to run for every message logged or string to include in log message.
 Details: Pass a custom flag
 Examples:
 fl <- function(){</pre>
  paste0(sample(letters, 4), collapse = "")
 info <- Logger$new("INFO")$flag(fl)</pre>
 info$log("random")
Method log():
 Usage:
 Logger$log(..., sep = " ", collapse = " ")
 Arguments:
 ... Elements to compose message.
 sep, collapse Separators passed to paste().
 Details: Log messages
 Examples:
 info <- Logger$new("INFO")</pre>
 info$log("Logger")
Method dump():
 Usage:
 Logger$dump(file = "dump.log")
 Arguments:
 file Name of the file to dump the logs to.
 Details: Dump the log to a file
 Examples:
 info <- Logger$new("INFO")</pre>
 info$log("hello")
 \dontrun{info$dump()}
Method clone(): The objects of this class are cloneable with this method.
 Usage:
 Logger$clone(deep = FALSE)
 Arguments:
 deep Whether to make a deep clone.
```

Examples

```
info <- Logger$new("INFO")$</pre>
date()$
time()$
hook(crayon::blue)
info$log("Hello")
Sys.sleep(.7)
info$log("World")
## -----
## Method `Logger$new`
## -----
info <- Logger$new("INFO")</pre>
info$log("hello")
## -----
## Method `Logger$date`
## -----
info <- Logger$new("INFO")$date()</pre>
info$log("today")
## -----
## Method `Logger$time`
## -----
info <- Logger$new("INFO")$time()</pre>
info$log("now")
## -----
## Method `Logger$unix`
## -----
info <- Logger$new("INFO")$unix()</pre>
info$log("timestamp")
## -----
## Method `Logger$hook`
err <- Logger$new("INFO")$hook(crayon::red)</pre>
err$log("hello")
## -----
## Method `Logger$dir`
info <- Logger$new("INFO")$dir()</pre>
info$log("directory")
```

plumber 7

plumber

Plumber

Description

Serve a plumber API with metrics, use this function like you would use plumber::pr().

Usage

```
prLog(file = NULL, ..., requests = requestLogger)
prWithLog(pr, requests = requestLogger)
```

Arguments

file	Plumber file as passed to plumber::pr().
• • •	Any other argument to pass to plumber::pr().
requests	Logger to log requests, set to NULL to not log.
pr	Plumber API as returned by plumber::pr().

8 templates

shiny

Default Logger for Shiny.

Description

Serve a shiny application with default loggers, useful for debugging.

Usage

```
logApp(ui, server, ..., inputs = inputLogger)
shinyWithLog(app, inputs = inputLogger)
```

Arguments

ui, server UI definition and server function as passed to shiny::shinyApp().... Any other arguments passed to shiny::shinyApp().inputs Logger to log inputs, set to NULL to not log.app Shiny application as returned by shiny::shinyApp().

templates

Template Loggers

Description

Template loggers for convenience.

Usage

```
infoLog(prefix = "INFO")
errorLog(prefix = "ERROR")
warningLog(prefix = "WARNING")
successLog(prefix = "SUCCESS")
```

Arguments

prefix

The prefix to use, this is passed to Logger.

Examples

```
info <- infoLog()
info$log("Information")</pre>
```

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