

# Package: pipetime (via r-universe)

May 17, 2026

**Type** Package

**Title** Tools to Time Pipe Operations

**Version** 0.0.1

**Description** Enable users to measure and record the execution time of pipe operations (using `|>`) with optional logging to dataframes and output to the console.

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**Encoding** UTF-8

**LazyData** true

**Suggests** testthat (>= 3.0.0), crayon, dplyr, ggplot2, tictoc, data.table, knitr, rmarkdown

**Config/testthat/edition** 3

**RoxygenNote** 7.3.3

**Roxygen** list(markdown = TRUE)

**URL** <https://cygei.github.io/pipetime/>;  
<https://github.com/CyGei/pipetime>

**BugReports** <https://github.com/CyGei/pipetime/issues>

**VignetteBuilder** knitr

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

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get_log	<i>Retrieve a timing log (or all logs)</i>
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**Description**

Return a stored timing log from `.pipetime_env`. If `log = NULL`, return all logs as a named list.

**Usage**

```
get_log(log = NULL)
```

**Arguments**

log	Character string or NULL. Name of the log to retrieve. If NULL, all logs are returned.
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**Value**

Either:

- A data frame with columns:
  - `timestamp` (POSIXct): Pipeline start time
  - `label` (character): Operation label
  - `duration` (numeric): Elapsed time since pipeline start
  - `unit` (character): Time unit used
- Or, if `log = NULL`, a named list of such data frames.

**See Also**

[rm\\_log\(\)](#)

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rm_log	<i>Remove a timing log (or all logs)</i>
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**Description**

Delete a timing log from `.pipetime_env`. If `log = NULL`, all logs are removed, but only when `force = TRUE`.

**Usage**

```
rm_log(log = NULL, force = FALSE)
```

**Arguments**

log	Character string or NULL. Name of the log to remove. If NULL, all logs are targeted.
force	Logical. To remove all logs, force must be TRUE. Default: FALSE.

**Value**

Invisibly, TRUE.

**See Also**

[get\\_log\(\)](#)

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time\_pipe

*Measure execution time in a pipeline*


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**Description**

Records the runtime of a pipeline (`|>`) from its start to the point where `time_pipe()` is called. Prints results to the console and/or logs them in `.pipetime_env`. Defaults can be set via `options(pipetime.*)`.

**Usage**

```
time_pipe(
  .data,
  label = NULL,
  log = getOption("pipetime.log", NULL),
  console = getOption("pipetime.console", TRUE),
  unit = getOption("pipetime.unit", "secs")
)
```

**Arguments**

.data	Input object passed through the pipeline.
label	Character string. Operation name. Defaults to the expression if NULL.
log	Character string or NULL. Name of a log data frame in <code>.pipetime_env</code> . Default: NULL.
console	Logical. Print timing to console? Default: TRUE.
unit	Character string. Time unit for <code>base::difftime()</code> . One of "secs", "mins", "hours", "days", "weeks". Default: "secs".

## Details

time\_pipe() measures elapsed time from pipeline start to the call. If log is set, results are appended to a data frame in .pipetime\_env with columns:

- timestamp: Pipeline start time (POSIXct)
- label: Operation label
- duration: Elapsed time since pipeline start (numeric)
- unit: Time unit used

Stored logs can be retrieved with [get\\_log\(\)](#).

## Value

.data, unchanged. Timing information is printed and/or stored separately.

## Examples

```
library(dplyr)
data.frame(x = 1:3) |>
mutate(y = {Sys.sleep(0.5); x*2 }) |>
time_pipe("calc 1") |>
mutate(z = {Sys.sleep(0.5); x/2 }) |>
time_pipe("total pipeline")
```

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