Package 'naptime'

October 13, 2022

Type Package

Title A Flexible and Robust Sys.sleep() Replacement

Version 1.3.0

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Description Provides a near drop-in replacement for base::Sys.sleep() that allows more types of input to produce delays in the execution of code and can silence/prevent typical sources of error.

URL URL: https://github.com/drknexus/naptime

BugReports https://github.com/drknexus/naptime/issues

License GPL-2

Imports methods, lubridate

Suggests testthat, covr, knitr, rmarkdown

RoxygenNote 6.0.1

VignetteBuilder knitr

NeedsCompilation no

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R topics documented:

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naptime   *Safe sleep function*

Description

Acceptable inputs:

- numeric: time in seconds to nap
- POSIXct: time at which the nap should stop (timezone is respected)
- character: Date or date time at which nap should stop formatted as yyyy-mm-dd hh:mm:ss, time zone is assumed to be Sys.timezone() and hh:mm:ss is optional as three formats may be missing, cf. lubridate::ymd_hms().
- Period: time from now at which the nap should stop
- difftime: difference in time to nap
- logical: If TRUE, nap for default duration, otherwise don't nap.
- NULL: don't nap
- generic: error or nap for default duration depending on the option naptime.permissive

Usage

```
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'numeric'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'Period'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'POSIXct'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature 'difftime'
naptime(time,
  permissive = getOption("naptime.permissive", permissive_default))

## S4 method for signature 'logical'
naptime(time, permissive = getOption("naptime.permissive",
  permissive_default))

## S4 method for signature '`NULL`'
naptime(time, permissive = getOption("naptime.permissive",
```

```
  permissive_default))

## S4 method for signature 'character'
naptime(time,
  permissive = getOption("naptime.permissive", permissive_default))
```

Arguments

time
: Time to sleep, polymorphic type inputs, leaning towards units as 'seconds'

permissive
: An optional argument to override the `naptime.permissive` option for this call of the naptime function

Details

The default duration is set with a numeric for the option `naptime.default_delay` in seconds (default: 0.1) Whether a generic input is accepted is determined by the option `naptime.permissive` (default: FALSE)

Value

NULL; A side effect of a pause in program execution

Examples

```
## Not run:
naptime(1)
naptime(difftime("2016-01-01 00:00:01", "2016-01-01 00:00:00"))

## End(Not run)
```

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