

Package ‘naptime’

February 23, 2017

Type Package

Title A Flexible and Robust Sys.sleep() Replacement

Version 1.3.0

Date 2017-02-22

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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Repository CRAN

Date/Publication 2017-02-23 08:31:24

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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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