Package ‘chunkhooks’

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Title Chunk Hooks for 'R Markdown'
Version 0.0.1
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Description Set chunk hooks for 'R Markdown' documents <https://rmarkdown.rstudio.com/>, and improve user experience.
For example, change units of figure sizes, benchmark chunks, and number lines on code blocks.
License MIT + file LICENSE
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benchmark

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Description

hook_benchmark sets a hook to benchmark chunks with the benchmark=TRUE option. The name of the trigger chunk option can be changed via the chunk_option parameter. The result is printed right after chunk outputs. See examples for the default printing format by format_benchmark.

Usage

```r
hook_benchmark(
  trigger = "benchmark",
  default = NULL,
  format = format_benchmark,
  .set = TRUE
)
```

```r
format_benchmark(result, options)
```

benchmarks

Arguments

- **trigger**: A name of chunk option that triggers benchmark (default: "benchmark"). In order to trigger benchmark, specify TRUE as a value of this option.
- **default**: A default value for the chunk option that triggers the hook (default: NULL).
- **format**: A function to format a benchmark result (default: format_benchmark). It must accept two arguments, where the first is the benchmark result and the second is the list of current chunk options. NULL suppresses printing.
- **.set**: TRUE or FALSE to set the hook.
- **result**: A result of benchmark
- **options**: A list of current chunk options

Format

An object of class environment of length 0.

Details

benchmarks records the results of benchmarks from chunks as a list named by chunk labels. If one requires complex formatting of benchmark results, then suppress automatic formatting by hook_benchmark(format = NULL). Then, retrieve benchmark results from benchmarks[["chunk-label"]]. Furthermore, format can happen conditionally by utilizing current chunk options via the second argument of the formatting function.
**hook_figure_unit**

**Value**

invisible hook function

**Examples**

```r
# Set a hook that triggers benchmarks if the 'time' chunk option is not 'NULL'.
hook_benchmark("time")

# Example of the default output format
# Input is sec. Output is prettified.
format_benchmark(1234, options = list(label = "example-chunk"))
```

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**hook_figure_unit**  
*Change the unit of figure size*

**Description**

By default, figure size of R Markdown is specified with inches. This function changes the default unit.

**Usage**

```r
hook_figure_unit(unit = "mm", .set = TRUE)
```

**Arguments**

- **unit** A string of an unit (default: "mm"). Available units follow. `measurements::conv_unit_options$length`
- **.set** TRUE or FALSE to set the hook.

**Details**

As a side effect, `fig.retina` is set to NULL because of [https://github.com/yihui/knitr/issues/1876](https://github.com/yihui/knitr/issues/1876).

**Value**

invisible hook function

**Examples**

```r
hook_figure_unit('mm')
```
Description

Number lines on code blocks created by chunks, i.e. source, output, message, warning, and/or error.

Usage

hook_numberLines(targets = "source", .set = TRUE)

Arguments

targets A character vector specifying what kind of code blocks automatically number lines (default: "source"). Choices are "source", "output", "message", "warning", and/or "error". NULL disables the automation.

.set TRUE or FALSE to set the hook.

Value

invisible hook function

Examples

hook_numberLines("source")
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