Package 'streamy'

May 21, 2025

Title Inline Asynchronous Generator Results into Documents

Version 0.2.0

Description Given a 'coro' asynchronous generator instance that produces text, write that text into a document selection in 'RStudio' and 'Positron'. This is particularly helpful for streaming large language model responses into the user's editor.

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Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.2

URL https://github.com/simonpcouch/streamy,
https://simonpcouch.github.io/streamy/

BugReports https://github.com/simonpcouch/streamy/issues

Imports cli (>= 3.6.3), coro (>= 1.1.0), rlang, rstudioapi (>= 0.17.1), withr

Suggests ellmer, knitr, rmarkdown, testthat (>= 3.0.0)

NeedsCompilation no

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Repository CRAN

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Description

Given an asychronous generator that produces text, this function iteratively polls that generator and inlines its results into the currently open RStudio or Positron document. This is particularly useful for streaming results from large language models.

Usage

```
stream(
  generator,
  context = active_document_context(),
  interface = c("prefix", "replace", "suffix")
)
```

Arguments

generator	A [coro::generator()](#) function.
context	Optional. An RStudio document context.
interface	One of "prefix", "replace", or "suffix", describing how to the active selection will be interfaced with. Defaults to "replace".

Details

This function is generally not intended for interactive usage. See the gander, chores, and ensure package, which this package powers.

Value

The streamed result, invisibly; called for its side effect, modifying the context of the current selection with results from the generator.

Examples

```
## Not run:
if (rlang::is_installed("ellmer") &&
    !identical("ANTHROPIC_API_KEY", "") &&
    rstudioapi::isAvailable()
 ) {
  library(ellmer)

  gen <- chat_claude()$stream("hey there!")

  stream(gen, interface = "suffix")
}

## End(Not run)
```

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