

Package: streamy (via r-universe)

March 14, 2025

Title Inline Asynchronous Generator Results into Documents

Version 0.1.0.9000

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

Roxygen list(markdown = TRUE)

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)

Repository <https://simonpcouch.r-universe.dev>

RemoteUrl <https://github.com/simonpcouch/streamy>

RemoteRef HEAD

RemoteSha 898646a563e2c78a15333824b806133d9b1f54f3

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 stream

Stream generator results into a document

Description

Given an asynchronous 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 <code>coro::generator()</code> 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`, `pal`, 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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