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Instance Method

streamResponse(generating:includeSchemaInPrompt:options:prompt:)

Produces a response stream for a type.

iOS 26.0+ | iPadOS 26.0+ | Mac Catalyst 26.0+ | macOS 26.0+ | visionOS 26.0+

```
final func streamResponse<Content>(  
    generating type: Content.Type = Content.self,  
    includeSchemaInPrompt: Bool = true,  
    options: GenerationOptions = GenerationOptions(),  
    @PromptBuilder prompt: () throws -> Prompt  
) rethrows -> sending LanguageModelSession.Response  
Stream<Content> where Content : Generable
```

Parameters

type

A type to produce as the response.

includeSchemaInPrompt

Inject the schema into the prompt to bias the model.

options

Options that control how tokens are sampled from the distribution the model produces.

prompt

A prompt for the model to respond to.

Return Value

A response stream.

Discussion

Consider using the default value of `true` for `includeSchemaInPrompt`. The exception to the rule is when the model has knowledge about the expected response format, either because it has been trained on it, or because it has seen exhaustive examples during this session.

Important

If running in the background, use the non-streaming `respond(to:options:)` method to reduce the likelihood of encountering `LanguageModelSession.GenerationError.rateLimited(:)` errors.

See Also

Streaming a response

```
func streamResponse(to:options:)
```

Produces a response stream to a prompt.

```
func streamResponse(to:generating:includeSchemaInPrompt:options:)
```

Produces a response stream to a prompt and schema.

```
func streamResponse(to:schema:includeSchemaInPrompt:options:)
```

Produces a response stream to a prompt and schema.

```
func streamResponse(options: GenerationOptions, prompt: () throws -> Prompt) rethrows -> sending LanguageModelSession.ResponseStream<String>
```

Produces a response stream to a prompt.

```
func streamResponse(schema: GenerationSchema, includeSchemaInPrompt: Bool, options: GenerationOptions, prompt: () throws -> Prompt) rethrows -> sending LanguageModelSession.ResponseStream<GeneratedContent>
```

Produces a response stream to a prompt and schema.

```
struct ResponseStream
```

An async sequence of snapshots of partially generated content.

`struct GeneratedContent`

A type that represents structured, generated content.

`protocol ConvertibleFromGeneratedContent`

A type that can be initialized from generated content.

`protocol ConvertibleToGeneratedContent`

A type that can be converted to generated content.