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Case

LanguageModelSession.GenerationError.exceededContextWindowSize(_:)

An error that signals the session reached its context window size limit.

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

```
case exceededContextWindowSize(LanguageModelSession.GenerationError.Context)
```

Mentioned in

 Generating content and performing tasks with Foundation Models

Discussion

This error occurs when you use the available tokens for the context window of 4,096 tokens. The token count includes instructions, prompts, and outputs for a session instance. A single token corresponds to approximately three to four characters in languages like English, Spanish, or German, and one token per character in languages like Japanese, Chinese, and Korean.

Start a new session when you exceed the content window size, and try again using a shorter prompt or shorter output length.

For more information on managing the context window size, see [TN3193: Managing the on-device foundation model's context window](#).

See Also

Generation errors

`case assetsUnavailable(LanguageModelSession.GenerationError.Context)`

An error that indicates the assets required for the session are unavailable.

`case decodingFailure(LanguageModelSession.GenerationError.Context)`

An error that indicates the session failed to deserialize a valid generable type from model output.

`case guardrailViolation(LanguageModelSession.GenerationError.Context)`

An error that indicates the system's safety guardrails are triggered by content in a prompt or the response generated by the model.

`case rateLimited(LanguageModelSession.GenerationError.Context)`

An error that indicates your session has been rate limited.

`case refusal(LanguageModelSession.GenerationError.Refusal, LanguageModelSession.GenerationError.Context)`

An error that happens when the session refuses the request.

`case concurrentRequests(LanguageModelSession.GenerationError.Context)`

An error that happens if you attempt to make a session respond to a second prompt while it's still responding to the first one.

`case unsupportedGuide(LanguageModelSession.GenerationError.Context)`

An error that indicates a generation guide with an unsupported pattern was used.

`case unsupportedLanguageOrLocale(LanguageModelSession.GenerationError.Context)`

An error that indicates an error that occurs if the model is prompted to respond in a language that it does not support.

`struct Context`

The context in which the error occurred.

`struct Refusal`

A refusal produced by a language model.