

[Foundation Models](#) / `SystemLanguageModel`

Class




SystemLanguageModel

An on-device large language model capable of text generation tasks.

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

```
final class SystemLanguageModel
```

Mentioned in

-  Improving the safety of generative model output
-  Generating content and performing tasks with Foundation Models
-  Loading and using a custom adapter with Foundation Models

Overview

The `SystemLanguageModel` refers to the on-device text foundation model that powers Apple Intelligence. Use `default` to access the base version of the model and perform general-purpose text generation tasks. To access a specialized version of the model, initialize the model with `SystemLanguageModel.UseCase` to perform tasks like `contentTagging`.

Verify the model availability before you use the model. Model availability depends on device factors like:

- The device must support Apple Intelligence.
- Apple Intelligence must be turned on in Settings.

Use `SystemLanguageModel.Availability` to change what your app shows to people based on the availability condition:

```
struct GenerativeView: View {
    // Create a reference to the system language model.
    private var model = SystemLanguageModel.default

    var body: some View {
        switch model.availability {
        case .available:
            // Show your intelligence UI.
        case .unavailable(.deviceNotEligible):
            // Show an alternative UI.
        case .unavailable(.appleIntelligenceNotEnabled):
            // Ask the person to turn on Apple Intelligence.
        case .unavailable(.modelNotReady):
            // The model isn't ready because it's downloading or because
            // of other system reasons.
        case .unavailable(let other):
            // The model is unavailable for an unknown reason.
        }
    }
}
```

Topics

Loading the model with a use case

`convenience init(useCase: SystemLanguageModel.UseCase, guardrails: SystemLanguageModel.Guardrails)`

Creates a system language model for a specific use case.


`struct UseCase`

A type that represents the use case for prompting.

`struct Guardrails`

Guardrails flag sensitive content from model input and output.

Loading the model with an adapter

 Loading and using a custom adapter with Foundation Models

Specialize the behavior of the system language model by using a custom adapter you train.

```
com.apple.developer.foundation-model-adapter
```

A Boolean value that indicates whether the app can enable custom adapters for the Foundation Models framework.

```
convenience init(adapter: SystemLanguageModel.Adapter, guardrails: SystemLanguageModel.Guardrails)
```

Creates the base version of the model with an adapter.

```
struct Adapter
```

Specializes the system language model for custom use cases.

Checking model availability

```
var isAvailable: Bool
```

A convenience getter to check if the system is entirely ready.

```
var availability: SystemLanguageModel.Availability
```

The availability of the language model.

```
enum Availability
```

The availability status for a specific system language model.

Retrieving the supported languages

```
var supportedLanguages: Set<Locale.Language>
```

Languages that the model supports.

Getting the default model

```
static let `default`: SystemLanguageModel
```

The base version of the model.

Instance Methods

```
func supportsLocale(Locale) -> Bool
```

Returns a Boolean indicating whether the given locale is supported by the model.

Relationships

Conforms To

Copyable

Observable

Sendable


SendableMetatype

See Also

Essentials

 [Generating content and performing tasks with Foundation Models](#)

Enhance the experience in your app by prompting an on-device large language model.

 [Improving the safety of generative model output](#)

Create generative experiences that appropriately handle sensitive inputs and respect people.

 [Support languages and locales with Foundation Models](#)

Generate content in the language people prefer when they interact with your app.

`{}` Adding intelligent app features with generative models

Build robust apps with guided generation and tool calling by adopting the Foundation Models framework.

`struct UseCase`

A type that represents the use case for prompting.