

[Foundation](#) / [AttributedString](#) / `init(localized:options:table:bundle:locale:comment:including:)`

Initializer

init(localized:options:table:bundle:locale:comment:including:)

Creates an attributed string by looking up a localized string from the app's bundle, including an attribute scope that a key path identifies.

iOS 15.0+ | iPadOS 15.0+ | Mac Catalyst 15.0+ | macOS 12.0+ | tvOS 15.0+ | visionOS 1.0+ | watchOS 8.0+

```
init<S>(  
    localized key: String.LocalizationValue,  
    options: AttributedString.FormattingOptions = [],  
    table: String? = nil,  
    bundle: Bundle? = nil,  
    locale: Locale? = nil,  
    comment: StaticString? = nil,  
    including scope: KeyPath<AttributeScopes, S.Type>  
) where S : AttributeScope
```

Parameters

key

The key for a string in the table that `table` identifies.

options

Options that affect the handling of attributes.

table

The bundle's string table to search. If `table` is `nil` or is an empty string, the method attempts to use the table in `Localizable.strings`. The default is `nil`.

bundle

The bundle to use for looking up strings. If `nil`, an app searches its main bundle. The default is `nil`.

locale

The locale of the localized string to retrieve. If `nil`, this initializer uses the current locale. The default is `nil`.

comment

The comment to place above the key-value pair in the strings file. This parameter provides the translator with some context about the localized string's presentation to the user.

scope

An [AttributeScopes](#) key path that identifies an attribute scope to associate with the attributed string.

Discussion

To create localizable attributed strings, use Markdown syntax in your strings files. The following example shows a string from a Spanish localization:

```
"_Please visit our [website](https://www.example.com)._" = "_Visita nuestro [sitio v
```

You load this string with one of the initializers that takes `localized` as its first parameter, like the following:

```
let visitString = NSAttributedString(localized: "_Please visit our [website](https://v
```

The resulting attributed string contains an [inlinePresentationIntent](#) attribute to apply the [emphasized](#) presentation intent over the entire string. It also applies the [link](#) attribute to the text `sitio web`. User interface frameworks like SwiftUI and UIKit can then use these attributes when presenting the text to the user.

Applying Automatic Grammar Agreement

To apply the automatic grammar agreement feature when loading a localized string, use Apple's Markdown extension syntax: `^[text to inflect](inflect: true)`. The following example shows a format string with a Spanish localization for a food-ordering app.

"_Please visit our [website](https://www.example.com)._" = "_Visita nuestro [sitio web](https://www.example.com)._"

You load and localize this string as follows:

```
let orderString = NSAttributedString(  
    localized: "Add ^[\(quantity) \(foodSizeSelection.localizedDescription) \(food.localizedDescription)]  
// "Añadir 2 ensaladas grandes a tu pedido."
```

When the string loads, the automatic grammar agreement feature adjusts the text for foodSizeSelection and food to match the number and gender of the sentence.

See Also

Creating a Localized Attributed String

```
init(localized: String.LocalizationValue, options: NSAttributedString.FormattingOptions, table: String?, bundle: Bundle?, locale: Locale?, comment: StaticString?)
```

Creates an attributed string by looking up a localized string from the app's bundle.

```
init<S>(localized: String.LocalizationValue, options: NSAttributedString.FormattingOptions, table: String?, bundle: Bundle?, locale: Locale?, comment: StaticString?, including: S.Type)
```

Creates an attributed string by looking up a localized string from the app's bundle, including an attribute scope.

```
struct LocalizationValue
```

A reference to a localizable string, with optional string interpolation.

```
struct FormattingOptions
```

Options that affect the handling of attributes.

```
init(localized: LocalizedStringResource)
```

Creates a localized attributed string from a localized string resource.

```
init<S>(localized: LocalizedStringResource, including: S.Type)
```

Creates a localized attributed string from a localized string resource, including an attribute scope.

```
init<S>(localized: LocalizedStringResource, including: KeyPath<  
AttributeScopes, S.Type>)
```

Creates a localized attributed string from a localized string resource, including an attribute scope that a key path identifies.

```
struct LocalizedStringResource
```

A reference to a localizable string, accessible from another process.