

[UIKit](#) / [NSProgressIndicator](#)

Class

NSProgressIndicator

An interface that provides visual feedback to the user about the status of an ongoing task.

macOS

```
@MainActor
class NSProgressIndicator
```

Overview

Progress indicators can be determinate or indeterminate. A determinate indicator displays the completion percentage of a task. An indeterminate indicator shows that the app is busy without providing a visual indication of how long the task will take.

Topics

Animating the progress indicator

```
func startAnimation(Any?)
```

Starts the animation of an indeterminate progress indicator.

```
func stopAnimation(Any?)
```

Stops the animation of an indeterminate progress indicator.

```
var usesThreadedAnimation: Bool
```

A Boolean that indicates whether the progress indicator implements animation in a separate thread.

Advancing the progress bar

```
func increment(by: Double)
```

Advances the progress bar of a determinate progress indicator by the specified amount.

```
var doubleValue: Double
```

The value that indicates the current extent of the progress indicator.

```
var minValue: Double
```

The minimum value for the progress indicator.

```
var maxValue: Double
```

The maximum value for the progress indicator.

Observing the progress bar

```
var observedProgress: Progress?
```

The progress object to use for updating the progress view.

Setting the appearance

```
var controlSize: NSControl.ControlSize
```

The size of the progress indicator.

```
var controlTint: NSControlTint
```

The progress indicator's control tint.

Deprecated

```
var isBezeled: Bool
```

A Boolean that indicates whether the progress indicator's frame has a three-dimensional bezel.

Deprecated

```
var isIndeterminate: Bool
```

A Boolean that indicates whether the progress indicator is indeterminate.

```
var style: NSProgressIndicator.Style
```

The style of the progress indicator (bar or spinning).

```
func sizeToFit()
```

This action method resizes the progress indicator to an appropriate size depending on the value of style.

```
var isDisplayedWhenStopped: Bool
```

A Boolean that indicates whether the progress indicator hides itself when it isn't animating.

Constants

```
enum Style
```

Constants that specify the progress indicator's style.

Relationships

Inherits From

NSView

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSAccessibilityElementProtocol

NSAccessibilityGroup

NSAccessibilityProgressIndicator

NSAccessibilityProtocol

NSAnimatablePropertyContainer

NSAppearanceCustomization

NSCoding

NSDraggingDestination

NSObjectProtocol

NSStandardKeyBindingResponding

NSTouchBarProvider

NSUserActivityRestoring

NSUserInterfaceItemIdentification
Sendable
SendableMetatype

See Also

Controls



Responding to control-based events using target-action

Handle user input by connecting buttons, sliders, and other controls to your app's code using the target-action design pattern.

`class` `NSButton`

A control that defines an area on the screen that a user clicks to trigger an action.

`class` `NSColorWell`

A control that displays a color value and lets the user change that color value.



Combo Box

Display a list of values in a pop-up menu that lets the user select a value or type in a custom value.

`class` `NSComboButton`

A button with a pull-down menu and a default action.



Date Picker

Display a calendar date and provide controls for editing the date value.

`class` `NSImageView`

A display of image data in a frame.

`class` `NSLevelIndicator`

A visual representation of a level or quantity, using discrete values.



Path Control

A display of a file system path or virtual path information.

`class` `NSPopUpButton`

A control for selecting an item from a list.

`class NSRuleEditor`

An interface for configuring a rule-based list of options.

`class NSPredicateEditor`


A defined set of rules that allows the editing of predicate objects.

 Search Field

Provide a text field that is optimized for text-based search interfaces.

`class NSSegmentedControl`

Display one or more buttons in a single horizontal group.

 Slider

Display a range of values from which the user selects a single value.