

[AppKit](#) / 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

File 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 NSComboBox

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.