

[AppKit / NSSwitch](#)

Class

NSSwitch

A control that offers a binary choice.

macOS 10.15+

```
@MainActor  
class NSSwitch
```

Overview

The [NSSwitch](#) class provides a simple interface for displaying and toggling a Boolean state, such as on/off. A switch toggles its [state](#) and sends its [action](#) when clicked, activated through the keyboard, or tapped in the Touch Bar. [NSSwitch](#) also allows dragging between states, and if [isContinuous](#) is [true](#), the switch sends its [action](#) for each change in position during the drag.

[NSSwitch](#) doesn't use an instance of [NSCell](#) to provide its functionality. The [cellClass](#) class property and [cell](#) instance property both return [nil](#), and they ignore attempts to set a non-[nil](#) value.

For design guidance, see Human Interface Guidelines > [Toggles](#).

Topics

Managing Switch State

```
var state: NSControl.StateValue
```

The current position of the switch.

Relationships

Inherits From

NSControl

Conforms To

CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSAccessibilityButton
NSAccessibilityElementProtocol
NSAccessibilityProtocol
NSAccessibilitySwitch
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 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 NSProgressIndicator

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

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.