

[AppKit](#) / NSSplitView

Class

NSSplitView

A view that arranges two or more views in a linear stack running horizontally or vertically.

macOS

```
@MainActor
class NSSplitView
```

Overview

A split view manages the dividers and orientation for a split view controller ([NSSplitViewController](#)). By default, dividers have a horizontal orientation so that the split view arranges its panes vertically from top to bottom.

Divider indices are zero-based. If the [isVertical](#) property is [false](#), which is the default value, the top divider has an index of 0. If [isVertical](#) is [true](#), the leading divider has an index of 0.

Topics

Customizing the Split View Behavior

```
var delegate: (any NSSplitViewDelegate)?
```

The split view's delegate.

```
protocol NSSplitViewDelegate
```

A set of optional methods that a delegate of a split view implements.

Arranging Subviews

`var arrangesAllSubviews: Bool`

A Boolean value that determines whether the split view arranges all of its subviews as split panes.

`var arrangedSubviews: [NSView]`

The array of views that the split view arranges as its split panes.

`func addArrangedSubview(NSView)`

Adds a view as an arranged split pane.

`func insertArrangedSubview(NSView, at: Int)`

Adds a view as an arranged split pane at the specified index.

`func removeArrangedSubview(NSView)`

Removes a view as an arranged split pane.

Managing Subviews

`func adjustSubviews()`

Adjusts the sizes of the split view's subviews so they (plus the dividers) fill the split view.

`func isSubviewCollapsed(NSView) -> Bool`

Returns whether the specified view is in a collapsed state.

`func holdingPriorityForSubview(at: Int) -> NSLayoutConstraint.Priority`

Returns the priority of the subview's width or height when resizing.

`func setHoldingPriority(NSLayoutConstraint.Priority, forSubviewAt: Int)`

Sets the priority for split view subviews to maintain their width or height.

Managing Divider Orientation

`var isVertical: Bool`

A Boolean value that determines the geometric orientation of the split view's dividers.

Configuring and Drawing Dividers

```
var dividerStyle: NSSplitView.DividerStyle
```

The style of divider between views.

```
enum DividerStyle
```

Constants that specify the style of the split view's dividers.

```
var dividerColor: NSColor
```

The color of the dividers that the split view draws between subviews.

```
var dividerThickness: CGFloat
```

The thickness of the dividers for the split view.

```
func drawDivider(in: NSRect)
```

Draws a divider between two of the split view's subviews.

Saving Subview Positions

```
var autosaveName: NSSplitView.AutosaveName?
```

The name to use when the system automatically saves the split view's divider configuration.

```
typealias AutosaveName
```

The type that specifies the split view's autosave name.

Constraining Split Position

```
func minPossiblePositionOfDivider(at: Int) -> CGFloat
```

Returns the minimum possible position of the divider at the specified index.

```
func maxPossiblePositionOfDivider(at: Int) -> CGFloat
```

Returns the maximum possible position of the divider at the specified index.

```
func setPosition(CGFloat, ofDividerAt: Int)
```

Updates the location of a divider you specify by index.

Managing Notifications

```
class let willResizeSubviewsNotification: NSNotification.Name
```

A notification that posts before a change to the size of some or all subviews of a split view.

```
class let didResizeSubviewsNotification: NSNotification.Name
```

A notification that posts after a change to the size of some or all subviews of a split view.

Relationships

Inherits From

NSView

Conforms To

CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSAccessibilityElementProtocol
NSAccessibilityProtocol
NSAnimatablePropertyContainer
NSAppearanceCustomization
NSCoding
NSDraggingDestination
NSObjectProtocol
NSStandardKeyBindingResponding
NSTouchBarProvider
NSUserActivityRestoring
NSUserInterfaceItemIdentification
Sendable
SendableMetatype

See Also

Split View Interface

`class NSSplitViewController`

An object that manages an array of adjacent child views, and has a split view object for managing dividers between those views.

```
class NSSplitViewItem
```

An item in a split view controller.