

[UIKit](#) / NSTabView

## Class

# NSTabView

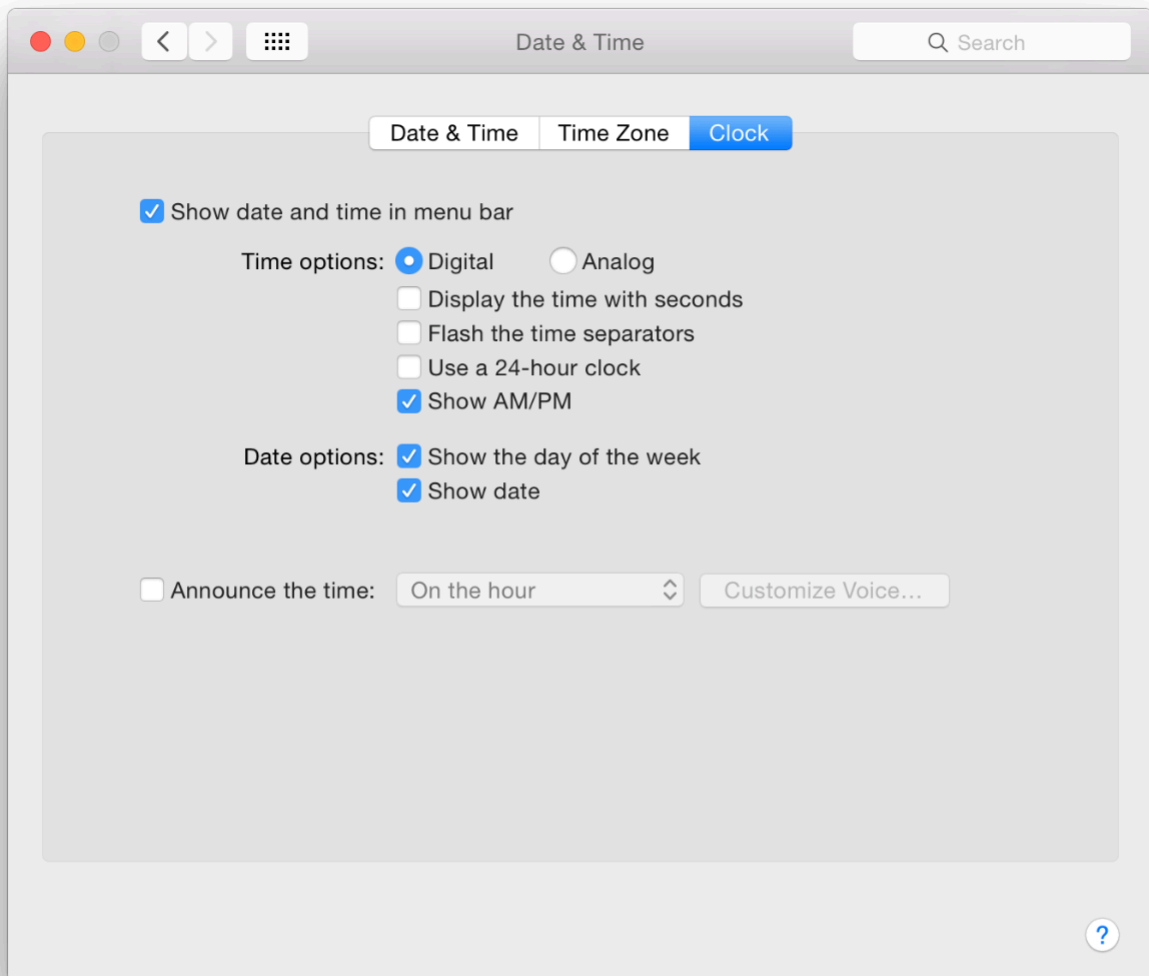
A multipage interface that displays one page at a time.

macOS

```
@MainActor
class NSTabView
```

## Overview

A tab view contains a row of tabs that give the appearance of folder tabs, as shown in the [Figure 1](#). The user selects the desired page by clicking the appropriate tab or using the arrow keys to move between pages. Each page displays a view hierarchy provided by your app.



# Topics

## Handling the Selection of Tabs

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

The tab view's delegate.

```
protocol NSTabViewDelegate
```

The `NSTabViewDelegate` protocol defines the optional methods implemented by delegates of `NSTabView` objects.

## Adding and Removing Tabs

```
func addTabViewItem(NSTabViewItem)
```

Adds the specified tab item.

```
func insertTabViewItem(NSTabViewItem, at: Int)
```

Inserts the specified item into the tab view's array of tab view items at the specified index.

```
func removeTabViewItem(NSTabViewItem)
```

Removes the specified item from the tab view's array of tab view items.

## Accessing Tabs

```
func indexOfTabViewItem(NSTabViewItem) -> Int
```

Returns the index of the specified item in the tab view.

```
func indexOfTabViewItem(withIdentifier: Any) -> Int
```

Returns the index of the item that matches the specified identifier or `NSNotFound` if the item is not found.

```
var numberOfTabViewItems: Int
```

The number of items in the tab view's array of tab view items.

```
func tabViewItem(at: Int) -> NSTabViewItem
```

Returns the tab view item at index in the tab view's array of items.

```
var tabViewItems: [NSTabViewItem]
```

The tab view's array of tab view items.

## Configuring the Tab Attributes

```
var tabViewType: NSTabView.TabType
```

The tab type to display the tabs.

```
enum TabType
```

These constants specify the tab view's type as used by the `tabViewType` property.

```
var tabPosition: NSTabView.TabPosition
```

```
enum TabPosition
```

```
var tabViewBorderType: NSTabView.TabViewBorderType
```

```
enum TabViewBorderType
```

## Selecting a Tab

```
func selectFirstTabViewItem(Any?)
```

This action method selects the first tab view item.

```
func selectLastTabViewItem(Any?)
```

This action method selects the last tab view item.

```
func selectNextTabViewItem(Any?)
```

This action method selects the next tab view item in the sequence.

```
func selectPreviousTabViewItem(Any?)
```

This action method selects the previous tab view item in the sequence.

```
func selectTabViewItem(NSTabViewItem?)
```

Selects the specified tab view item.

```
func selectTabViewItem(at: Int)
```

Selects the tab view item specified by index.

```
func selectTabViewItem(withIdentifier: Any)
```

Selects the tab view item specified by identifier.

```
var selectedTabViewItem: NSTabViewItem?
```

The tab view item for the currently selected tab.

```
func takeSelectedTabViewItemFromSender(Any?)
```

Sets the selected tab view item to the selected item obtained from the sender.

## Modifying the Font

```
var font: NSFont
```

The font used for the tab view's label text.

## Modifying Controls Tint

```
var controlTint: NSControlTint
```

The tab view's control tint.

Deprecated

## Manipulating the Background

`var drawsBackground: Bool`

A Boolean value that indicates if the tab view draws a background color when its type is `NSNoTabsNoBorder`.

## Determining the Size

`var minimumSize: NSSize`

The minimum size necessary for the tab view to display tabs in a useful way.

`var contentRect: NSRect`

The rectangle describing the content area of the tab view.

`var controlSize: NSControl.ControlSize`

The size of the tab view.

## Truncating Tab Labels

`var allowsTruncatedLabels: Bool`

A Boolean value that indicates if the tab view allows truncating for labels that don't fit on a tab.

## Event Handling

`func tabViewItem(at: NSPoint) -> NSTabViewItem?`

Returns the tab view item at the specified point.

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# Relationships

## Inherits From

`NSView`

## Conforms To

`CVarArg`

`CustomDebugStringConvertible`

`CustomStringConvertible`

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

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## See Also

### Tab View Interface

`class NSTabViewController`

A container view controller that manages a tab view interface, which organizes multiple pages of content but displays only one page at a time.

`class NSTabViewItem`

An item in a tab view.