NSPageLayout Class Reference

Cocoa > Printing

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NSPageLayout Class Reference

Inherits from	NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Printing Programming Topics for Cocoa
Declared in	NSPageLayout.h
Related sample code	Quartz Composer WWDC 2005 TextEdit TextEditPlus

Overview

`NSPageLayout` is a panel that queries the user for information such as paper type and orientation. It is normally displayed in response to the user selecting the Page Setup menu item. You obtain an instance with the `pageLayout` (page 6) class method. The pane can then be run as a sheet using `beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:` (page 8) or modally using `runModal` (page 9) or `runModalWithPrintInfo:` (page 9).

Tasks

Creating an NSPageLayout Instance

`+ pageLayout` (page 6)

Returns a newly created `NSPageLayout` object.

Running a Page Setup Dialog

`- beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:` (page 8)

Presents a page setup sheet for the given `NSPrintInfo` object, document-modal relative to the given window.

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- `runModal` (page 9)
  Displays the receiver and begins the modal loop using the shared `NSPrintInfo` object.
- `runModalWithPrintInfo:` (page 9)
  Displays the receiver and begins the modal loop using the given `NSPrintInfo` object.

Customizing the Page Setup Dialog

- `addAccessoryController:` (page 7)
  Adds the given controller of an accessory view to be presented in the page setup panel.
- `removeAccessoryController:` (page 9)
  Removes the given controller of an accessory view.
- `accessoryControllers` (page 7)
  Returns an array of accessory view controllers belonging to the receiver.

Accessing the NSPrintInfo Object

- `printInfo` (page 8)
  Returns the `NSPrintInfo` object used when the receiver is run.

Deprecated Methods

- `accessoryView` (page 11) Deprecated in Mac OS X v10.5
  Returns the receiver's accessory view (used to customize the receiver). (Deprecated. Deprecated in Mac OS X v10.5. Use `accessoryControllers` (page 7) instead.)
- `readPrintInfo` (page 11) Deprecated in Mac OS X v10.5
  Sets the receiver's values to those stored in the `NSPrintInfo` object used when the receiver is run. (Deprecated. Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)
- `setAccessoryView:` (page 12) Deprecated in Mac OS X v10.5
  Adds a view object to the receiver. (Deprecated. Deprecated in Mac OS X v10.5. Use `addAccessoryController:` (page 7) instead.)
- `writePrintInfo` (page 12) Deprecated in Mac OS X v10.5
  Writes the receiver's values to the `NSPrintInfo` object used when the receiver is run. (Deprecated. Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)

Class Methods

pageLayout

Returns a newly created `NSPageLayout` object.

```
+ (NSPageLayout *)pageLayout
```


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Availability
Available in Mac OS X v10.0 and later.

Related Sample Code
Quartz Composer WWDC 2005 TextEdit
TextEditPlus

Declared In
`NSPageLayout.h`

Instance Methods

accessoryControllers

Returns an array of accessory view controllers belonging to the receiver.

```
- (NSArray *)accessoryControllers
```

Return Value
The `NSViewController` instances representing the accessory view controllers belonging to the receiver.

Availability
Available in Mac OS X v10.5 and later.

See Also
- `addAccessoryController:` (page 7)
- `removeAccessoryController:` (page 9)

Declared In
`NSPageLayout.h`

addAccessoryController:

Adds the given controller of an accessory view to be presented in the page setup panel.

```
- (void)addAccessoryController:(NSViewController *)accessoryController
```

Parameters
accessoryController
The controller to add.

Availability
Available in Mac OS X v10.5 and later.

See Also
- `removeAccessoryController:` (page 9)
- `accessoryControllers` (page 7)

Declared In
`NSPageLayout.h`

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beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:

Presents a page setup sheet for the given `NSPrintInfo` object, document-modal relative to the given window.

```
- (void)beginSheetWithPrintInfo:(NSPrintInfo *)printInfo modalForWindow:(NSWindow
    *)docWindow delegate:(id)delegate didEndSelector:(SEL)didEndSelector
   contextInfo:(void *)contextInfo
```

Parameters

printInfo
The `NSPrintInfo` object to use.

docWindow
The window to which the sheet is attached.

delegate
The delegate to which *didEndSelector* is sent. Can be `nil`.

didEndSelector
The selector sent to the delegate. Can be `nil`.

contextInfo
Context information object passed with *didEndSelector*.

Discussion
The *didEndSelector* argument must have the same signature as:

```
- (void)pageLayoutDidEnd:(NSPageLayout *)pageLayout returnCode:(int)returnCode
  contextInfo: (void *)contextInfo;
```

The value passed as *returnCode* is either `NSCancelButton` or `NSOKButton`.

Availability
Available in Mac OS X v10.0 and later.

Related Sample Code
Quartz Composer WWDC 2005 TextEdit
TextEditPlus

Declared In
`NSPageLayout.h`

printInfo

Returns the `NSPrintInfo` object used when the receiver is run.

```
- (NSPrintInfo *)printInfo
```

Discussion
The NSPrintInfo object is set using the `beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:` (page 8) or `runModalWithPrintInfo:` (page 9) method. The shared NSPrintInfo object is used if the receiver is run using `runModal` (page 9).

Availability
Available in Mac OS X v10.0 and later.

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See Also
- `readPrintInfo` (page 11)
- `writePrintInfo` (page 12)

Declared In
`NSPageLayout.h`

removeAccessoryController:

Removes the given controller of an accessory view.

```
- (void)removeAccessoryController:(NSViewController *)accessoryController
```

Parameters

accessoryController
The controller to remove.

Availability
Available in Mac OS X v10.5 and later.

See Also
- `addAccessoryController:` (page 7)
- `accessoryControllers` (page 7)

Declared In
`NSPageLayout.h`

runModal

Displays the receiver and begins the modal loop using the shared `NSPrintInfo` object.

```
- (NSInteger)runModal
```

Return Value
`NSCancelButton` if the user clicks the Cancel button; otherwise, `NSOKButton`.

Discussion
The receiver's values are recorded in the shared `NSPrintInfo` object.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `runModalWithPrintInfo:` (page 9)

Declared In
`NSPageLayout.h`

runModalWithPrintInfo:

Displays the receiver and begins the modal loop using the given `NSPrintInfo` object.

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```
- (NSInteger)runModalWithPrintInfo:(NSPrintInfo *)printInfo
```

Parameters

printInfo

The `NSPrintInfo` object to use.

Return Value

`NSCancelButton` if the user clicks the Cancel button; otherwise, `NSOKButton`.

Discussion

The receiver's values are recorded in *printInfo*.

Availability

Available in Mac OS X v10.0 and later.

See Also

`- runModal` (page 9)

Declared In

`NSPageLayout.h`

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Deprecated NSPageLayout Methods

A method identified as deprecated has been superseded and may become unsupported in the future.

Deprecated in Mac OS X v10.5

accessoryView

Returns the receiver's accessory view (used to customize the receiver). (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. Use `accessoryControllers` (page 7) instead.)

```
- (NSView *)accessoryView
```

Availability
Available in Mac OS X v10.0 and later.
Deprecated in Mac OS X v10.5.

See Also
- `setAccessoryView:` (page 12)

Declared In
`NSPageLayout.h`

readPrintInfo

Sets the receiver's values to those stored in the `NSPrintInfo` object used when the receiver is run. (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)

```
- (void)readPrintInfo
```

Discussion
Do not invoke this method directly; it is invoked automatically before the receiver is displayed.

Availability
Available in Mac OS X v10.0 and later.
Deprecated in Mac OS X v10.5.

See Also
- `printInfo` (page 8)
- `writePrintInfo` (page 12)
- `runModal` (page 9)
- `runModalWithPrintInfo:` (page 9)

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Declared In
NSPageLayout.h

setAccessoryView:

Adds a view object to the receiver. (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. Use addAccessoryController: (page 7) instead.)

```
- (void)setAccessoryView:(NSView *)aView
```

Discussion
Invoke this method to add a custom view containing your controls. *aView* is added to the receiver's Settings popup menu with your application's name as its menu item. The receiver is automatically resized to accommodate *aView*. This method can be invoked repeatedly to change the accessory view depending on the situation. If *aView* is nil, then the receiver's current accessory view, if any, is removed.

Availability
Available in Mac OS X v10.0 and later.
Deprecated in Mac OS X v10.5.

See Also
- accessoryView (page 11)

Declared In
NSPageLayout.h

writePrintInfo

Writes the receiver's values to the NSPrintInfo object used when the receiver is run. (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)

```
- (void)writePrintInfo
```

Discussion
Do not invoke this method directly; it is invoked automatically when the receiver is dismissed.

Availability
Available in Mac OS X v10.0 and later.
Deprecated in Mac OS X v10.5.

See Also
- printInfo (page 8)
- readPrintInfo (page 11)
- runModal (page 9)
- runModalWithPrintInfo: (page 9)

Declared In
NSPageLayout.h

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Document Revision History

This table describes the changes to *NSPageLayout Class Reference*.

Date	Notes
2007-04-11	Documented methods added in Mac OS X v10.5. Removed descriptions of deprecated methods no longer defined in the header file.
2006-05-23	First publication of this content as a separate document.

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Document Revision History

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