NSPathControlDelegate Protocol Reference

Cocoa > User Experience

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NSPathControlDelegate Protocol Reference

Conforms to	NSObject
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.5 and later.
Declared in	NSPathControl.h

Overview

The `NSPathControlDelegate` optional protocol is implemented by the delegate of an `NSPathControl` object to support dragging to and from the control.

Tasks

Dragging Support

`- pathControl:shouldDragPathComponentCell:withPasteboard:` (page 6)
Implement this method to enable dragging from the control.

`- pathControl:validateDrop:` (page 7)
Implement this method to enable dragging onto the control.

`- pathControl:acceptDrop:` (page 6)
Implement this method to accept previously validated contents dropped onto the control.

Customizing a Pop-Up–Style Path

`- pathControl:willDisplayOpenPanel:` (page 7)
Implement this method to customize the Open panel shown by a pop-up–style path.

`- pathControl:willPopUpMenu:` (page 8)
Implement this method to customize the menu of a pop-up–style path.

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Instance Methods

pathControl:acceptDrop:

Implement this method to accept previously validated contents dropped onto the control.

```
- (BOOL)pathControl:(NSPathControl *)pathControl
    acceptDrop:(id <NSDraggingInfo>)info
```

Parameters

pathControl

The path control that sent the message.

info

An object containing details about this dragging operation.

Discussion

In order to accept the dropped contents previously accepted from `pathControl:validateDrop:` (page 7), you must implement this method. This method is called from `performDragOperation:`. You should change the URL value based on the dragged information.

If not implemented, and the control's cell is editable, the drop is accepted if it contains an `NSURLPboardType` or `NSFilenamesPboardType` that conforms to the cell's allowed types. The cell's URL value is automatically changed, and the action is invoked. Implementation of this method is optional.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`NSPathControl.h`

pathControl:shouldDragPathComponentCell:withPasteboard:

Implement this method to enable dragging from the control.

```
- (BOOL)pathControl:(NSPathControl *)pathControl
    shouldDragPathComponentCell:(NSPathComponentCell *)pathComponentCell
    withPasteboard:(NSPasteboard *)pasteboard
```

Parameters

pathControl

The path control that sent the message.

pathComponentCell

The path component cell from which the drag is beginning.

pasteboard

The pasteboard.

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Discussion
This method is called when a drag is about to begin. You can refuse to allow the drag to happen by returning `NO` and allow it by returning `YES`. By default, the pasteboard automatically has the following types on it: `NSStringPboardType`, `NSURLPboardType` (if there is a URL value for the cell being dragged), and `NSFilenamesPboardType` (if the URL value returns `YES` from `-isFileURL`). You can customize the types placed on the pasteboard at this time, if desired. Implementation of this method is optional.

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

Declared In
`NSPathControl.h`

pathControl:validateDrop:

Implement this method to enable dragging onto the control.

```
- (NSDragOperation)pathControl:(NSPathControl *)pathControl
    validateDrop:(id <NSDraggingInfo>)info
```

Parameters

pathControl
The path control that sent the message.

info
An object containing details about this dragging operation.

Discussion
This method is called when something is dragged over the control. Return `NSDragOperationNone` to refuse the drop, or return anything else to accept it.

If not implemented, and the control's cell is editable, the drop is accepted if it contains an `NSURLPboardType` or `NSFilenamesPboardType` that conforms to the cell's allowed types. Implementation of this method is optional.

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

Declared In
`NSPathControl.h`

pathControl:willDisplayOpenPanel:

Implement this method to customize the Open panel shown by a pop-up–style path.

```
- (void)pathControl:(NSPathControl *)pathControl
    willDisplayOpenPanel:(NSOpenPanel *)openPanel
```

Parameters

pathControl
The path control displaying the Open panel.

openPanel
The Open panel to be displayed.

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Discussion
This method is called before the Open panel is shown but after its allowed file types are set to the cell's allowed types. At this time, you can further customize the Open panel as required. This method is called only when the style is set to `NSPathStylePopUp`. Implementation of this method is optional.

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

Declared In
`NSPathControl.h`

pathControl:willPopUpMenu:

Implement this method to customize the menu of a pop-up–style path.

```
- (void)pathControl:(NSPathControl *)pathControl
    willPopUpMenu:(NSMenu *)menu
```

Parameters

pathControl
The path control displaying the pop-up menu.

menu
The pop-up menu to be displayed.

Discussion
This method is called before the pop-up menu is shown. At this time, you can further customize the menu as required, adding and removing items. This method is called only when the style is set to `NSPathStylePopUp`. Implementation of this method is optional.

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

Declared In
`NSPathControl.h`

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Document Revision History

This table describes the changes to *NSPathControlDelegate Protocol Reference*.

Date	Notes
2007-04-11	New document that describes the protocol optionally implemented by the delegate of an NSPathControl object to support dragging and pop-up menu cusomization.

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