NSTextAttachment Class Reference

Cocoa > Text & Fonts

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NSTextAttachment Class Reference

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

Overview

`NSTextAttachment` objects are used by the `NSAttributedString` class cluster as the values for attachment attributes (stored in the attributed string under the key named `NSAttachmentAttributeName`). The objects you create with this class are referred to as text attachment objects, or when no confusion will result, as text attachments or merely attachments.

A text attachment object contains an NSFileWrapper object, which in turn holds the contents of the attached file. It also uses a cell object conforming to the NSTextAttachmentCell protocol to draw and handle mouse events. Most of the behavior of a text attachment is relegated to the file wrapper and the attachment cell. See the corresponding class and protocol specifications for more information.

See the NSAttributedString and NSTextView class specifications for general information on text attachments.

Adopted Protocols

NSCoding

- `encodeWithCoder:`
- `initWithCoder:`

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Tasks

Initializing an NSTextAttachment Object

- `initWithFileWrapper:` (page 7)
  Initializes a newly allocated `NSTextAttachment` object to contain the given file wrapper.

Setting the File Wrapper

- `setFileWrapper:` (page 8)
  Sets the receiver's file wrapper.
- `fileWrapper` (page 7)
  Returns the receiver's file wrapper.

Setting the Attachment Cell

- `setAttachmentCell:` (page 8)
  Sets the object used to draw the icon for the receiver and to handle mouse events.
- `attachmentCell` (page 6)
  Returns the object used to draw the icon for the receiver and to handle mouse events.

Instance Methods

attachmentCell

Returns the object used to draw the icon for the receiver and to handle mouse events.

```
- (id < NSTextAttachmentCell >)attachmentCell
```

Return Value
The object used to draw the icon for the receiver and to handle mouse events.

Discussion
An `NSTextAttachment` object by default uses an `NSTextAttachmentCell` object that displays the attached file's icon, or its contents if the file contains an image.

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

See Also
- `fileWrapper` (page 7)
- `image` (`NSCell`)
- `icon` (`NSFileWrapper`)
- `setAttachmentCell:` (page 8)

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Declared In
NSTextAttachment.h

fileWrapper

Returns the receiver's file wrapper.

```
- (NSFileWrapper *)fileWrapper
```

Return Value
The receiver's file wrapper.

Discussion
The file wrapper holds the contents of the attached file.

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

See Also
- setFileWrapper: (page 8)

Related Sample Code
Quartz Composer WWDC 2005 TextEdit
TextEditPlus

Declared In
NSTextAttachment.h

initWithFileWrapper:

Initializes a newly allocated NSTextAttachment object to contain the given file wrapper.

```
- (id)initWithFileWrapper:(NSFileWrapper *)aWrapper
```

Parameters
aWrapper
The file wrapper for the receiver.

Return Value
The receiver initialized to contain *aWrapper* and use an NSTextAttachmentCell as its attachment cell.

Discussion
This method is the designated initializer for the NSTextAttachment class.

If *aWrapper* contains an image file that the receiver can interpret as an NSImage object, sets the attachment cell's image to the NSImage rather than to the icon of *aWrapper*.

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

See Also
- setFileWrapper: (page 8)
- setAttachmentCell: (page 8)

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Related Sample Code
CoreRecipes

Declared In
`NSTextAttachment.h`

setAttachmentCell:

Sets the object used to draw the icon for the receiver and to handle mouse events.

```
- (void)setAttachmentCell:(id < NSTextAttachmentCell >)aCell
```

Parameters

aCell

The object used to draw the icon for the receiver and to handle mouse events.

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

See Also
- `setFileWrapper:` (page 8)
- `setImage:` (`NSCell`)
- `icon` (`NSFileWrapper`)
- `attachmentCell` (page 6)

Declared In
`NSTextAttachment.h`

setFileWrapper:

Sets the receiver's file wrapper.

```
- (void)setFileWrapper:(NSFileWrapper *)aWrapper
```

Parameters

aWrapper

The file wrapper for the receiver.

Discussion
The file wrapper holds the contents of the attached file.

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

See Also
- `fileWrapper` (page 7)

Declared In
`NSTextAttachment.h`

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Constants

Attachment Character

This character is used to denote an attachment.

```
enum {
   NSAttachmentCharacter = 0xfffc
};
```

Constants

`NSAttachmentCharacter`

Specifies a character that denotes attachment an attachment.

Available in Mac OS X v10.0 and later.

Declared in `NSTextAttachment.h`.

Declared In

`NSTextAttachment.h`

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Document Revision History

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

Date	Notes
2006-05-23	First publication of this content as a separate document.

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Document Revision History

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