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Protocol

NSPasteboardReading

A set of methods that defines the interface for initializing an object from a pasteboard.

macOS

```
protocol NSPasteboardReading : NSObjectProtocol
```

Overview

The Cocoa framework classes [NSString](#), [NSAttributedString](#), [NSURL](#), [NSColor](#), [NSSound](#), [NSImage](#), and [NSPasteboardItem](#) implement this protocol. You can make your custom class conform to this protocol so that you can read instances from a pasteboard using the [read Objects\(forClasses:options:\)](#) method of [NSPasteboard](#).

Topics

Initializing the Pasteboard

`init?(pasteboardPropertyList: Any, ofType: NSPasteboard.PasteboardType)`

Initializes an instance with a property list object and a type string.

Required

Reading From the Pasteboard

```
static func readableTypes(for: NSPasteboard) -> [NSPasteboard.PasteboardType]
```

Returns an array of uniform type identifier strings of data types the receiver can read from the pasteboard and initialize from.

Required

```
static func readingOptions(forType: NSPasteboard.PasteboardType, pasteboard: NSPasteboard) -> NSPasteboard.ReadingOptions
```

Returns options for reading data of a specified type from a given pasteboard.

```
struct ReadingOptions
```

Options that specify how to interpret data on the pasteboard when initializing pasteboard data.

Relationships

Inherits From

NSObjectProtocol

Conforming Types

NSColor

NSFilePromiseReceiver

NSImage

NSPasteboardItem

NSSound

NSTextStorage

See Also

Pasteboard

```
class NSPasteboard
```

An object that transfers data to and from the pasteboard server.

```
class NSPasteboardItem
```

An item on a pasteboard.

```
protocol NSPasteboardWriting
```

A set of methods that defines the interface for retrieving a representation of an object that can be written to a pasteboard.

```
protocol NSPasteboardItemDataProvider
```

A set of methods implemented by the data provider of a pasteboard item to provide the data for a particular UTI type.

```
struct ContentsOptions
```

Options for preparing the pasteboard.

```
protocol NSPasteboardTypeOwner
```

An object that serves as a data provider for data types that use lazy data fulfillment from a pasteboard request.