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# NSRangeSpecifier Class Reference

Interapplication Communication



2006-05-23



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# NSRangeSpecifier Class Reference

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<b>Inherits from</b>	NSScriptObjectSpecifier : NSObject
<b>Conforms to</b>	NSCoding (NSScriptObjectSpecifier) NSObject (NSObject)
<b>Framework</b>	/System/Library/Frameworks/Foundation.framework
<b>Availability</b>	Available in Mac OS X v10.0 and later.
<b>Companion guide</b>	Cocoa Scripting Guide
<b>Declared in</b>	NSScriptObjectSpecifiers.h
<b>Related sample code</b>	QuickLookSketch Sketch+Accessibility Sketch-112

## Overview

An `NSRangeSpecifier` object specifies a range (that is, an uninterrupted series) of objects in a container through two delimiting objects. The range is represented by two object specifiers, a start specifier and an end specifier, which can be of any specifier type (such as `NSIndexSpecifier` or `NSWhoseSpecifier` object). These specifiers are evaluated in the context of the same container object as the range specifier itself.

You don't normally subclass `NSRangeSpecifier`.

## Tasks

### Initializing a Range Specifier

- [initWithContainerClassDescription:containerSpecifier:key:startSpecifier:endSpecifier:](#) (page 6)

Returns a range specifier initialized with the given properties.

## Accessing a Range Specifier

- [endSpecifier](#) (page 6)  
Returns the object specifier representing the last object of the range.
- [setEndSpecifier:](#) (page 7)  
Sets the object specifier representing the last object of the range to a given object.
- [setStartSpecifier:](#) (page 7)  
Sets the object specifier representing the first object of the range to a given object.
- [startSpecifier](#) (page 8)  
Returns the object specifier representing the first object of the range.

## Instance Methods

### endSpecifier

Returns the object specifier representing the last object of the range.

```
- (NSScriptObjectSpecifier *)endSpecifier
```

#### Return Value

The object specifier representing the last object of the range.

#### Availability

Available in Mac OS X v10.0 and later.

#### Related Sample Code

QuickLookSketch

Sketch+Accessibility

Sketch-112

#### Declared In

NSScriptObjectSpecifiers.h

### initWithContainerClassDescription:containerSpecifier:key:startSpecifier:endSpecifier:

Returns a range specifier initialized with the given properties.

```
- (id)initWithContainerClassDescription:(NSScriptClassDescription *)classDescription
    containerSpecifier:(NSScriptObjectSpecifier *)container key:(NSString *)property
    startSpecifier:(NSScriptObjectSpecifier *)startSpec
    endSpecifier:(NSScriptObjectSpecifier *)endSpec
```

#### Parameters

*classDescription*

The class description.

*container*

The container.

*property*

The property.

*startSpec*

The object specifier representing the first object of the range.

*endSpec*

The object specifier representing the last object of the range.

**Return Value**

A range specifier initialized with the given properties.

**Discussion**

Invokes the super class's `initWithContainerClassDescription:containerSpecifier:key:method` and initializes the instance with the object specifiers representing the starting element, *startSpec*, and the ending element, *endSpec*, of a range of elements in the container.

**Availability**

Available in Mac OS X v10.0 and later.

**Declared In**

NSScriptObjectSpecifiers.h

**setEndSpecifier:**

Sets the object specifier representing the last object of the range to a given object.

- (void)setEndSpecifier:(NSScriptObjectSpecifier \*)endSpec

**Parameters***endSpec*

The object specifier representing the last object of the range.

**Availability**

Available in Mac OS X v10.0 and later.

**Declared In**

NSScriptObjectSpecifiers.h

**setStartSpecifier:**

Sets the object specifier representing the first object of the range to a given object.

- (void)setStartSpecifier:(NSScriptObjectSpecifier \*)startSpec

**Parameters***startSpec*

The object specifier representing the first object of the range.

**Availability**

Available in Mac OS X v10.0 and later.

**Declared In**

NSScriptObjectSpecifiers.h

**startSpecifier**

Returns the object specifier representing the first object of the range.

- (NSScriptObjectSpecifier \*)startSpecifier

**Return Value**

The object specifier representing the first object of the range.

**Availability**

Available in Mac OS X v10.0 and later.

**Related Sample Code**

QuickLookSketch

Sketch+Accessibility

Sketch-112

**Declared In**

NSScriptObjectSpecifiers.h

# Document Revision History

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

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

**REVISION HISTORY**

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startSpecifier **instance method 8**