
NSLevelIndicatorCell Class Reference

[Cocoa](#) > [User Experience](#)



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NSLevelIndicatorCell Class Reference

Inherits from	NSActionCell : NSCell : NSObject
Conforms to	NSCoding (NSCell) NSCopying (NSCell) NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.4 and later.
Declared in	NSLevelIndicatorCell.h

Overview

NSLevelIndicatorCell is a subclass of NSActionCell that provides several level indicator display styles including: capacity, ranking and relevancy. The capacity style provides both continuous and discrete modes.

Tasks

Initializing NSLevelIndicatorCell Objects

- [initWithLevelIndicatorStyle:](#) (page 7)
Initializes the receiver with the style specified by *levelIndicatorStyle*.

Configuring the Range of Values

- [setMinValue:](#) (page 10)
Sets the minimum value the receiver can represent to *minValue*.
- [minValue](#) (page 8)
Returns the receiver's minimum value.
- [setMaxValue:](#) (page 10)
Sets the maximum value the receiver can represent to *maxValue*.
- [maxValue](#) (page 8)
Returns the receiver's maximum value.
- [setLevelIndicatorStyle:](#) (page 10)
Sets the style of the receiver to *levelIndicatorStyle*.

- [levelIndicatorStyle](#) (page 7)
Returns the level indicator style of the receiver.
- [setWarningValue:](#) (page 12)
Sets the receiver's warning value to *warningValue*.
- [warningValue](#) (page 13)
Returns the receiver's warning value.
- [setCriticalValue:](#) (page 9)
Sets the receiver's critical value to *criticalValue*.
- [criticalValue](#) (page 7)
Returns the receiver's critical value.

Managing Tick Marks

- [setTickMarkPosition:](#) (page 11)
Sets where tick marks appear relative to the receiver.
- [tickMarkPosition](#) (page 12)
Returns how the receiver's tick marks are aligned with it.
- [setNumberOfTickMarks:](#) (page 11)
Sets the number of tick marks displayed by the receiver (which include those assigned to the minimum and maximum values) to *numberOfTickMarks*.
- [numberOfTickMarks](#) (page 8)
Returns the number of tick marks associated with the receiver.
- [setNumberOfMajorTickMarks:](#) (page 11)
Sets the number of major tick marks displayed by the receiver.
- [numberOfMajorTickMarks](#) (page 8)
Returns the number of major tick marks associated with the receiver.
- [tickMarkValueAtIndex:](#) (page 12)
Returns the receiver's value represented by the tick mark at index (the minimum-value tick mark has an index of 0).
- [rectOfTickMarkAtIndex:](#) (page 9)
Returns the bounding rectangle of the tick mark identified by *index* (the minimum-value tick mark is at index 0).

Setting the Level-Indicator Image

- [setImage:](#) (page 9)
Sets the image displayed by the receiver for the `NSRatingLevelIndicatorStyle` to *image*.

Instance Methods

criticalValue

Returns the receiver's critical value.

- (double)criticalValue

Availability

Available in Mac OS X v10.4 and later.

See Also

- [setCriticalValue:](#) (page 9)

Declared In

NSLevelIndicatorCell.h

initWithLevelIndicatorStyle:

Initializes the receiver with the style specified by *levelIndicatorStyle*.

- (id)initWithLevelIndicatorStyle:(NSLevelIndicatorStyle)levelIndicatorStyle

Discussion

The default value and minimum value are 0.0. The default maximum value is dependent on *levelIndicatorStyle*. For continuous styles, the default maximum value is 100.0. For discrete styles the default maximum value is 5.0.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSLevelIndicatorCell.h

levelIndicatorStyle

Returns the level indicator style of the receiver.

- (NSLevelIndicatorStyle)levelIndicatorStyle

Discussion

Possible return values are described in "[Constants](#)" (page 13).

Availability

Available in Mac OS X v10.4 and later.

See Also

- [setLevelIndicatorStyle:](#) (page 10)

Declared In

NSLevelIndicatorCell.h

maxValue

Returns the receiver's maximum value.

- (double)maxValue

Availability

Available in Mac OS X v10.4 and later.

See Also

- [setLevelIndicatorStyle:](#) (page 10)

Declared In

NSLevelIndicatorCell.h

minValue

Returns the receiver's minimum value.

- (double)minValue

Availability

Available in Mac OS X v10.4 and later.

See Also

- [setMinValue:](#) (page 10)

Declared In

NSLevelIndicatorCell.h

numberOfMajorTickMarks

Returns the number of major tick marks associated with the receiver.

- (NSInteger)numberOfMajorTickMarks

Availability

Available in Mac OS X v10.4 and later.

See Also

- [setNumberOfMajorTickMarks:](#) (page 11)

Declared In

NSLevelIndicatorCell.h

numberOfTickMarks

Returns the number of tick marks associated with the receiver.

- (NSInteger)numberOfTickMarks

Discussion

The tick marks assigned to the minimum and maximum values are included.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [setNumberOfTickMarks:](#) (page 11)

Declared In

NSLevelIndicatorCell.h

rectOfTickMarkAtIndex:

Returns the bounding rectangle of the tick mark identified by *index* (the minimum-value tick mark is at index 0).

- (NSRect)rectOfTickMarkAtIndex:(NSInteger)*index*

Discussion

If no tick mark is associated with *index*, the method raises a `NSRangeException`.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSLevelIndicatorCell.h

setCriticalValue:

Sets the receiver's critical value to *criticalValue*.

- (void)setCriticalValue:(double)*criticalValue*

Availability

Available in Mac OS X v10.4 and later.

See Also

- [criticalValue](#) (page 7)

Declared In

NSLevelIndicatorCell.h

setImage:

Sets the image displayed by the receiver for the `NSRatingLevelIndicatorStyle` to *image*.

- (void)setImage:(NSImage *)*image*

Discussion

The image is lightened to indicate a highlighted selection and dots are drawn for empty spots. The image is not stretched and no space is added between images. Setting *image* to `nil` causes the default star image to be used.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSLevelIndicatorCell.h

setLevelIndicatorStyle:

Sets the style of the receiver to *levelIndicatorStyle*.

- (void)setLevelIndicatorStyle:(NSLevelIndicatorStyle)levelIndicatorStyle

Discussion

The available values of *levelIndicatorStyle* are described in “[Constants](#)” (page 13).

Availability

Available in Mac OS X v10.4 and later.

See Also

- [levelIndicatorStyle](#) (page 7)

Declared In

NSLevelIndicatorCell.h

setMaxValue:

Sets the maximum value the receiver can represent to *maxValue*.

- (void)setMaxValue:(double)maxValue

Availability

Available in Mac OS X v10.4 and later.

See Also

- [levelIndicatorStyle](#) (page 7)

Declared In

NSLevelIndicatorCell.h

setMinValue:

Sets the minimum value the receiver can represent to *minValue*.

- (void)setMinValue:(double)minValue

Availability

Available in Mac OS X v10.4 and later.

See Also

- [minValue](#) (page 8)

Declared In

NSLevelIndicatorCell.h

setNumberOfMajorTickMarks:

Sets the number of major tick marks displayed by the receiver.

- (void)setNumberOfMajorTickMarks:(NSInteger)count

DiscussionThe *count* must be less than or equal to the number of tick marks.**Availability**

Available in Mac OS X v10.4 and later.

See Also- [numberOfMajorTickMarks](#) (page 8)**Declared In**

NSLevelIndicatorCell.h

setNumberOfTickMarks:Sets the number of tick marks displayed by the receiver (which include those assigned to the minimum and maximum values) to *numberOfTickMarks*.

- (void)setNumberOfTickMarks:(NSInteger)count

Discussion

By default, this value is 0, and no tick marks appear. The number of tick marks assigned to a slider, along with the slider's minimum and maximum values, determines the values associated with the tick marks.

Availability

Available in Mac OS X v10.4 and later.

See Also- [numberOfTickMarks](#) (page 8)**Declared In**

NSLevelIndicatorCell.h

setTickMarkPosition:

Sets where tick marks appear relative to the receiver.

- (void)setTickMarkPosition:(NSTickMarkPosition)position

DiscussionThis method has no effect if no tick marks have been assigned (that is, [numberOfTickMarks](#) (page 8) returns 0).

Availability

Available in Mac OS X v10.4 and later.

See Also

- [tickMarkPosition](#) (page 12)

Declared In

NSLevelIndicatorCell.h

setWarningValue:

Sets the receiver's warning value to *warningValue*.

- (void)setWarningValue:(double)*warningValue*

Availability

Available in Mac OS X v10.4 and later.

See Also

- [warningValue](#) (page 13)

Declared In

NSLevelIndicatorCell.h

tickMarkPosition

Returns how the receiver's tick marks are aligned with it.

- (NSTickMarkPosition)tickMarkPosition

Discussion

The default alignments are NSTickMarkBelow and NSTickMarkLeft.

Availability

Available in Mac OS X v10.4 and later.

See Also

- [setTickMarkPosition:](#) (page 11)

Declared In

NSLevelIndicatorCell.h

tickMarkValueAtIndex:

Returns the receiver's value represented by the tick mark at index (the minimum-value tick mark has an index of 0).

- (double)tickMarkValueAtIndex:(NSInteger)*index*

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSLevelIndicatorCell.h

warningValue

Returns the receiver's warning value.

- (double)warningValue

Availability

Available in Mac OS X v10.4 and later.

See Also- [setWarningValue:](#) (page 12)**Declared In**

NSLevelIndicatorCell.h

Constants

The following constants specify the level indicator's style and are used by [initWithLevelIndicatorStyle:](#) (page 7), [levelIndicatorStyle](#) (page 7), and [setLevelIndicatorStyle:](#) (page 10).

Constant	Description
NSRatingLevelIndicatorStyle	A style similar to the star ranking displays provided in iTunes and iPhoto. Available in Mac OS X v10.4 and later. Declared in NSLevelIndicatorCell.h.
NSDiscreteCapacityLevelIndicatorStyle	A style similar to audio level indicators in iTunes. Available in Mac OS X v10.4 and later. Declared in NSLevelIndicatorCell.h.
NSContinuousCapacityLevelIndicatorStyle	A style that is often used to indicate conditions such as how much data is on a hard disk. Available in Mac OS X v10.4 and later. Declared in NSLevelIndicatorCell.h.
NSRelevancyLevelIndicatorStyle	A style that is used to indicate the relevancy of a search result, for example in Mail. Available in Mac OS X v10.4 and later. Declared in NSLevelIndicatorCell.h.

Document Revision History

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

Date	Notes
2007-03-01	Revised task headings.
2006-05-23	First publication of this content as a separate document.

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