
NSLogicalTest Class Reference

[Cocoa > Scripting & Automation](#)



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NSLogicalTest Class Reference

Inherits from	NSScriptWhoseTest : NSObject
Conforms to	NSCoding (NSScriptWhoseTest) NSObject (NSObject)
Framework	/System/Library/Frameworks/Foundation.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Cocoa Scripting Guide
Declared in	NSScriptWhoseTests.h

Overview

Instances of this class perform logical operations of AND, OR, and NOT on Boolean expressions represented by `NSSpecifierTest` objects. These operators are equivalent to “&&”, “|”, and “!” in the C language.

For AND and OR operations, an `NSLogicalTest` object is typically initialized with an array containing two or more `NSSpecifierTest` objects. `isTrue`—inherited from `NSScriptWhoseTest`—evaluates the array in a manner appropriate to the logical operation. For NOT operations, an `NSLogicalTest` object is initialized with only one `NSSpecifierTest` object; it simply reverses the Boolean outcome of the `isTrue` method.

You don't normally subclass `NSLogicalTest`.

Tasks

Initializing a Logical Test

- [initAndTestWithTests:](#) (page 6)
Returns an `NSLogicalTest` object initialized to perform an AND operation with the `NSSpecifierTest` objects in a given array.
- [initNotTestWithTest:](#) (page 6)
Returns an `NSLogicalTest` object initialized to perform a NOT operation on the given `NSScriptWhoseTest` object.
- [initOrTestWithTests:](#) (page 6)
Returns an `NSLogicalTest` object initialized to perform an OR operation with the `NSSpecifierTest` objects in a given array.

Instance Methods

initAndTestWithTests:

Returns an `NSLogicalTest` object initialized to perform an AND operation with the `NSSpecifierTest` objects in a given array.

```
- (id)initAndTestWithTests:(NSArray *)subTests
```

Parameters

subTests

An array of `NSSpecifierTest` objects representing Boolean expressions.

Return Value

An `NSLogicalTest` object initialized to perform an AND operation with the `NSSpecifierTest` objects in *subTests*.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSScriptWhoseTests.h`

initNotTestWithTest:

Returns an `NSLogicalTest` object initialized to perform a NOT operation on the given `NSScriptWhoseTest` object.

```
- (id)initNotTestWithTest:(NSScriptWhoseTest *)subTest
```

Parameters

subTest

The `NSScriptWhoseTest` object to invert.

Return Value

An `NSLogicalTest` object initialized to perform a NOT operation on *subTest*.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSScriptWhoseTests.h`

initOrTestWithTests:

Returns an `NSLogicalTest` object initialized to perform an OR operation with the `NSSpecifierTest` objects in a given array.

```
- (id)initOrTestWithTests:(NSArray *)subTests
```

Parameters

subTests

An array of `NSSpecifierTest` objects representing Boolean expressions.

Return Value

An `NSLogicalTest` object initialized to perform an OR operation with the `NSSpecifierTest` objects in *subTests*.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSScriptWhoseTests.h`

Document Revision History

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

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

REVISION HISTORY

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`initAndTestWithTests`: **instance method** [6](#)
`initNotTestWithTest`: **instance method** [6](#)
`initOrTestWithTests`: **instance method** [6](#)