NSScriptCoercionHandler Class Reference

Cocoa > Scripting & Automation

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NSScriptCoercionHandler Class Reference

Inherits from	NSObject
Conforms to	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	NSScriptCoercionHandler.h
Related sample code	Quartz Composer WWDC 2005 TextEdit Sketch-112 TextEditPlus

Overview

Provides a mechanism for converting one kind of scripting data to another. A shared instance of this class coerces (converts) object values to objects of another class, using information supplied by classes that register with it. Coercions frequently are required during key-value coding.

Tasks

Accessing the Application's Handler

`+ sharedCoercionHandler` (page 6)
Returns the shared `NSScriptCoercionHandler` for the application.

Working with Handlers

`- coerceValue:toClass:` (page 6)
Returns an object of a given class representing a given value.

`- registerCoercer:selector:toConvertFromClass:toClass:` (page 7)
Registers a given object (typically a class) to handle coercions (conversions) from one given class to another.

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Class Methods

sharedCoercionHandler

Returns the shared `NSScriptCoercionHandler` for the application.

```
+ (NSScriptCoercionHandler *)sharedCoercionHandler
```

Return Value
The shared `NSScriptCoercionHandler` for the application.

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

Related Sample Code
Quartz Composer WWDC 2005 TextEdit
Sketch-112
TextEditPlus

Declared In
`NSScriptCoercionHandler.h`

Instance Methods

coerceValue:toClass:

Returns an object of a given class representing a given value.

```
- (id)coerceValue:(id)value toClass:(Class)toClass
```

Parameters

value
The value to coerce.

toClass
The class with which to represent *value*.

Return Value
An object of the class *toClass* representing the value specified by *value*. Returns `nil` if an error occurs.

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

Related Sample Code
Quartz Composer WWDC 2005 TextEdit
Sketch-112
TextEditPlus

Declared In
`NSScriptCoercionHandler.h`

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registerCoercer:selector:toConvertFromClass:toClass:

Registers a given object (typically a class) to handle coercions (conversions) from one given class to another.

```
- (void)registerCoercer:(id)coercer selector:(SEL)selector
    toConvertFromClass:(Class)fromClass toClass:(Class)toClass
```

Parameters

coercer

The object that performs the coercion. *coercer* should typically be a class object.

selector

A selector that specifies the method to perform the coercion. *selector* should typically be a factory method, and must take two arguments. The first is the value to be converted. The second is the class to convert it to.

fromClass

The class for which instances are coerced.

toClass

The class to which instances of *fromClass* are coerced.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSScriptCoercionHandler.h

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Document Revision History

This table describes the changes to *NSScriptCoercionHandler 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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