
QCCompositionRepository Class Reference

[Cocoa](#) > [Graphics & Imaging](#)



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QCCompositionRepository Class Reference

Inherits from	NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/Quartz.framework/Frameworks/QuartzComposer.framework
Availability	Available in Mac OS X v10.5 and later.
Companion guide	Quartz Composer Programming Guide
Declared in	QCCompositionRepository.h

Overview

The `QCCompositionRepository` class represents a system-wide centralized repository of built-in and installed Quartz Composer compositions (`/Library/Compositions` and `~/Library/Compositions`). The `QCCompositionRepository` class cannot be subclassed.

Compositions in the repository are represented by the `QCComposition` class. You can use the methods of the `QCCompositionRepository` class to fetch all compositions or only those that meet specific criteria.

Tasks

Getting the Composition Repository

- + [sharedCompositionRepository](#) (page 6)
Returns the shared instance of the composition repository.

Fetching Compositions

- [compositionWithIdentifier:](#) (page 7)
Returns the composition that corresponds to the identifier.
- [compositionsWithProtocols:andAttributes:](#) (page 6)
Returns an array of compositions that match a set of criteria.
- [allCompositions](#) (page 6)
Returns an array that contains all compositions currently in the composition repository.

Class Methods

sharedCompositionRepository

Returns the shared instance of the composition repository.

```
+ (QCCompositionRepository*) sharedCompositionRepository
```

Return Value

The shared instance of `QCCompositionRepository`.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`QCCompositionRepository.h`

Instance Methods

allCompositions

Returns an array that contains all compositions currently in the composition repository.

```
- (NSArray*) allCompositions
```

Return Value

An array of `QCComposition` objects.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [compositionWithIdentifier:](#) (page 7)
- [compositionsWithProtocols:andAttributes:](#) (page 6)

Declared In

`QCCompositionRepository.h`

compositionsWithProtocols:andAttributes:

Returns an array of compositions that match a set of criteria.

```
- (NSArray*) compositionsWithProtocols:(NSArray*)protocols
andAttributes:(NSDictionary*)attributes
```

Parameters

protocols

The protocols that you want compositions to conform to. Pass `nil` if you don't want to filter based on the protocol. You can pass any of these protocols: `QCCompositionProtocolAnimation`, `QCCompositionProtocolImageProducer`, `QCCompositionProtocolImageFilter`, `QCCompositionProtocolImageCompositor`, `QCCompositionProtocolImageTransition`, and `QCCompositionProtocolScreenSaverRSS`.

attributes

A dictionary that contains the attributes, and their associated values, that you want compositions to match. Pass `nil` if you don't want to filter based on the attributes. For example, you can pass any of these attributes: `QCCompositionAttributeNameKey`, `QCCompositionAttributeDescriptionKey`, `QCCompositionAttributeCopyrightKey`, `QCCompositionAttributeBuiltInKey`, and `QCCompositionAttributeTimeDependentKey`.

Return Value

An array of `QCComposition` objects that meet the supplied criteria.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [compositionWithIdentifier:](#) (page 7)
- [allCompositions](#) (page 6)

Declared In

`QCCompositionRepository.h`

compositionWithIdentifier:

Returns the composition that corresponds to the identifier.

```
- (QCComposition*) compositionWithIdentifier:(NSString*)identifier
```

Parameters

identifier

A string that uniquely identifies the composition to retrieve.

Return Value

The composition identified by the provided string, or `nil` if there is no composition with that identifier in the composition repository.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [compositionsWithProtocols:andAttributes:](#) (page 6)
- [allCompositions](#) (page 6)

Declared In

`QCCompositionRepository.h`

Notifications

QCCompositionRepositoryDidUpdateNotification

Posted whenever the list of compositions in the composition repository is updated.

Availability

Available in Mac OS X v10.5 and later.

Declared In

`QCCompositionRepository.h`

Document Revision History

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

Date	Notes
2007-05-09	New document that describes the class that represents a system-wide, central repository of Quartz Composer compositions.

REVISION HISTORY

Document Revision History

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