IKImageBrowserItem Protocol Reference

Graphics & Imaging > Quartz

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IKImageBrowserItem Protocol Reference

(informal protocol)

Framework	System/Library/Frameworks/Quartz.framework/ImageKit.framework
Declared in	IKImageBrowserView.h

Overview

The `IKImageBrowserItem` informal protocol declares the methods that an instance of the `IKImageBrowserView` class uses to access the contents of its data source for a given item. Some of the methods in this protocol are needed frequently, so you should implement them efficiently.

Tasks

Providing Required Information for an Image

- `imageUID` (page 7)
  Returns a unique string that identifies the data source item.
- `imageRepresentationType` (page 6)
  Returns the representation type of the image to display.
- `imageRepresentation` (page 6)
  Returns the image to display.

Providing Optional Information for an Image

- `imageVersion` (page 7)
  Returns the version of the item.
- `imageTitle` (page 7)
  Returns the display title of the image.
- `imageSubtitle` (page 6)
  Returns the display subtitle of the image.
- `isSelectable` (page 8)
  Returns whether this item is selectable.

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Instance Methods

imageRepresentation

Returns the image to display.

```
- (id) imageRepresentation;
```

Return Value
The image to display; can return `nil` if the item has no image to display.

Discussion
Your data source must implement this method. This method is called frequently, so the receiver should cache the returned instance.

Availability
Available in Mac OS X v10.5 and later.

Declared In
`IKImageBrowserView.h`

imageRepresentationType

Returns the representation type of the image to display.

```
- (NSString *) imageRepresentationType;
```

Return Value
A string that specifies the image representation type. The string can be any of the constants defined in "Image Representation Types" (page 8).

Discussion
Your data source must implement this method.

Availability
Available in Mac OS X v10.5 and later.

Declared In
`IKImageBrowserView.h`

imageSubtitle

Returns the display subtitle of the image.

```
- (NSString *) imageSubtitle
```

Return Value
The display subtitle of the image.

Discussion
This method is optional.

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Availability
Available in Mac OS X v10.5 and later.

Declared In
`IKImageBrowserView.h`

imageTitle

Returns the display title of the image.

```
- (NSString *) imageTitle;
```

Return Value
The display title of the image.

Discussion
This method is optional.

Availability
Available in Mac OS X v10.5 and later.

Declared In
`IKImageBrowserView.h`

imageUID

Returns a unique string that identifies the data source item.

```
- (NSString *)  imageUID;
```

Return Value
The string that identifies the data source item

Discussion
Your data source must implement this method. The image browser view uses this identifier to associate the data source item and its cache.

Availability
Available in Mac OS X v10.5 and later.

Declared In
`IKImageBrowserView.h`

imageVersion

Returns the version of the item.

```
- (NSUInteger) imageVersion;
```

Return Value
The version of the item.

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Discussion
This method is optional. The receiver can return a new version to let the image browser knows that it should not use its cache for the item.

Availability
Available in Mac OS X v10.5 and later.

Declared In
`IKImageBrowserView.h`

isSelectable

Returns whether this item is selectable.

```
- (BOOL) isSelectable;
```

Return Value
`YES` if the item is selectable; `NO` otherwise.

Discussion
This method is optional. You can prevent selection of this item by returning `NO`.

Availability
Available in Mac OS X v10.5 and later.

Declared In
`IKImageBrowserView.h`

Constants

Image Representation Types

Representation types for images.

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```
NSString * const IKImageBrowserPathRepresentationType;
NSString * const IKImageBrowserNSURLRepresentationType;
NSString * const IKImageBrowserNSImageRepresentationType;
NSString * const IKImageBrowserCGImageRepresentationType;
NSString * const IKImageBrowserCGImageSourceRepresentationType;
NSString * const IKImageBrowserNSDataRepresentationType;
NSString * const IKImageBrowserNSBitmapImageRepresentationType;
NSString * const IKImageBrowserQTMovieRepresentationType;
NSString * const IKImageBrowserQTMoviePathRepresentationType;
NSString * const IKImageBrowserQCCompositionRepresentationType;
NSString * const IKImageBrowserQCCompositionPathRepresentationType;
NSString * const IKImageBrowserQuickLookPathRepresentationType;
NSString * const IKImageBrowserIconRefPathRepresentationType;
NSString * const IKImageBrowserIconRefRepresentationType;
```

Constants

`IKImageBrowserPathRepresentationType`

A path representation (`NSString`).

Available in Mac OS X v10.5 and later.

Declared in `IKImageBrowserView.h`.

`IKImageBrowserNSURLRepresentationType`

An `NSURL`object.

Available in Mac OS X v10.5 and later.

Declared in `IKImageBrowserView.h`.

`IKImageBrowserNSImageRepresentationType`

An `NSImage` object.

Available in Mac OS X v10.5 and later.

Declared in `IKImageBrowserView.h`.

`IKImageBrowserCGImageRepresentationType`

A `CGImageRef` object.

Available in Mac OS X v10.5 and later.

Declared in `IKImageBrowserView.h`.

`IKImageBrowserCGImageSourceRepresentationType`

A `CGImageSourceRef` object.

Available in Mac OS X v10.5 and later.

Declared in `IKImageBrowserView.h`.

`IKImageBrowserNSDataRepresentationType`

An `NSData` object.

Available in Mac OS X v10.5 and later.

Declared in `IKImageBrowserView.h`.

`IKImageBrowserNSBitmapImageRepresentationType`

An `NSBitmapImageRep` object.

Available in Mac OS X v10.5 and later.

Declared in `IKImageBrowserView.h`.

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`IKImageBrowserQTMovieRepresentationType`
: A `QTMovie` object.

  Available in Mac OS X v10.5 and later.

  Declared in `IKImageBrowserView.h`.

`IKImageBrowserQTMoviePathRepresentationType`
: A path (NSString) or URL (NSURL) to a QuickTime movie.

  Available in Mac OS X v10.5 and later.

  Declared in `IKImageBrowserView.h`.

`IKImageBrowserQCCompositionRepresentationType`
: A `QCComposition` object.

  Available in Mac OS X v10.5 and later.

  Declared in `IKImageBrowserView.h`.

`IKImageBrowserQCCompositionPathRepresentationType`
: A path (NSString) or URL (NSURL) to a Quartz Composer composition.

  Available in Mac OS X v10.5 and later.

  Declared in `IKImageBrowserView.h`.

`IKImageBrowserQuickLookPathRepresentationType`
: A path (NSString) or URL (NSURL) to load data using QuickLook.

  Available in Mac OS X v10.5 and later.

  Declared in `IKImageBrowserView.h`.

`IKImageBrowserIconRefPathRepresentationType`
: A path to an icon.

  Available in Mac OS X v10.5 and later.

  Declared in `IKImageBrowserView.h`.

`IKImageBrowserIconRefRepresentationType`
: An icon.

  Available in Mac OS X v10.5 and later.

  Declared in `IKImageBrowserView.h`.

Declared In

`IKImageBrowserView.h`

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Document Revision History

This table describes the changes to *IKImageBrowserItem Protocol Reference*.

Date	Notes
2007-01-12	New document that describes the informal protocol used by an image browser view to access the data source for an item.

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Document Revision History

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