AVMetadataItem Class Reference

Audio & Video

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AVMetadataItem Class Reference

Inherits from	NSObject
Conforms to	NSCopying NSMutableCopying NSObject (NSObject)
Framework	/System/Library/Frameworks/AVFoundation.framework
Availability	Available in iOS 4.0 and later.
Declared in	AVMetadataItem.h

Overview

An `AVMetadataItem` object represents an item of metadata associated with an audiovisual asset or with one of its tracks.

Metadata items have keys that accord with the specification of the container format from which they're drawn. Full details of the metadata formats, metadata keys, and metadata key spaces supported by AV Foundation are available among the defines in AVMetadataFormat.h.

`AVAsset` and other classes provide their metadata "lazily" (see `AVAsynchronousKeyValueLoading`), meaning that you can obtain objects from those arrays without incurring overhead for items you don't ultimately inspect.

You can filter arrays of metadata items by locale or by key and key space using `metadataItemsFromArray:withLocale:` (page 10) and `metadataItemsFromArray:withKey:keySpace:` (page 10) respectively.

Tasks

Filtering Metadata Arrays

`+ metadataItemsFromArray:withKey:keySpace:` (page 10)
Returns from a given array an array of metadata items that match a specified key or key space.

`+ metadataItemsFromArray:withLocale:` (page 10)
Returns from a given array an array of metadata items that match a specified locale.

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Keys and Key Spaces

`key` (page 8) *property*
Indicates the metadata item's key. (read-only)

`keySpace` (page 8) *property*
Indicates the key space of metadata item's key. (read-only)

`commonKey` (page 6) *property*
The common key of the metadata item. (read-only)

Accessing Values

`extraAttributes` (page 7) *property*
Provides a dictionary of the additional attributes. (read-only)

`locale` (page 8) *property*
Indicates the locale of the metadata item. (read-only)

`time` (page 9) *property*
Indicates the timestamp of the metadata item. (read-only)

`value` (page 9) *property*
Provides the value of the metadata item. (read-only)

`dataValue` (page 7) *property*
Provides the raw bytes of the value of the metadata item. (read-only)

Type Coercion

`dateValue` (page 7) *property*
Provides the value of the metadata item as a date. (read-only)

`numberValue` (page 8) *property*
Provides the value of the metadata item as a number. (read-only)

`stringValue` (page 9) *property*
Provides the value of the metadata item as a string. (read-only)

Properties

For more about Objective-C properties, see "Properties" in *The Objective-C Programming Language*.

commonKey

The common key of the metadata item. (read-only)

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```
@property(readonly, copy) NSString *commonKey
```

Discussion

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

dataValue

Provides the raw bytes of the value of the metadata item. (read-only)

```
@property(readonly) NSData *dataValue
```

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

dateValue

Provides the value of the metadata item as a date. (read-only)

```
@property(readonly) NSDate *dateValue
```

Discussion
The value is `nil` if the value cannot be represented as a date.

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

extraAttributes

Provides a dictionary of the additional attributes. (read-only)

```
@property(readonly, copy) NSDictionary *extraAttributes
```

Discussion

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

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key

Indicates the metadata item's key. (read-only)

```
@property(readonly, copy) id<NSObject, NSCopying> key
```

Discussion

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

keySpace

Indicates the key space of metadata item's key. (read-only)

```
@property(readonly, copy) NSString *keySpace
```

Discussion
This is typically the default key space for the metadata container in which the metadata item is stored

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

locale

Indicates the locale of the metadata item. (read-only)

```
@property(readonly, copy) NSLocale *locale
```

Discussion
The locale may be `nil` if no locale information is available for the metadata item.

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

numberValue

Provides the value of the metadata item as a number. (read-only)

```
@property(readonly) NSNumber *numberValue
```

Discussion
The value is `nil` if the value cannot be represented as a number.

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Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

stringValue

Provides the value of the metadata item as a string. (read-only)

```
@property(readonly) NSString *stringValue
```

Discussion
The value is `nil` if the value cannot be represented as a string.

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

time

Indicates the timestamp of the metadata item. (read-only)

```
@property(readonly) CMTime time
```

Discussion

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

value

Provides the value of the metadata item. (read-only)

```
@property(readonly, copy) id<NSObject, NSCopying> value
```

Discussion

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

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Class Methods

metadataItemsFromArray:withKey:keySpace:

Returns from a given array an array of metadata items that match a specified key or key space.

```
+ (NSArray *)metadataItemsFromArray:(NSArray *)array withKey:(id)key
    keySpace:(NSString *)keySpace
```

Parameters

array

An array of `AVMetadataItem` objects.

key

The key that must be matched for a metadata item to be included in the output array.

The key is compared to the keys in the metadata in the array using `isEqual:`.

If you don't want to filter by key, pass `nil`.

keySpace

The key space that must be matched for a metadata item to be included in the output array.

The key space is compared to the key spaces in the metadata in the array using `isEqualToString:`.

If you don't want to filter by key, pass `nil`.

Return Value
An array of the metadata items from *array* that match *key* or *keySpace*.

Discussion

Availability
Available in iOS 4.0 and later.

Declared In
`AVMetadataItem.h`

metadataItemsFromArray:withLocale:

Returns from a given array an array of metadata items that match a specified locale.

```
+ (NSArray *)metadataItemsFromArray:(NSArray *)array withLocale:(NSLocale *)locale
```

Parameters

array

An array of `AVMetadataItem` objects.

locale

The locale that must be matched for a metadata item to be included in the output array.

Return Value
An array of the metadata items from *array* that match *locale*.

Availability
Available in iOS 4.0 and later.

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Declared In
`AVMetadataItem.h`

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Document Revision History

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

Date	Notes
2010-05-17	First version of a document that describes an object that represents an item of metadata associated with an audiovisual asset or with one of its tracks.

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Document Revision History

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