Audio & Video



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Inherits from	CALayer : NSObject
Conforms to	NSCoding (CALayer) CAMediaTiming (CALayer) NSObject (NSObject)
Framework Availability	/System/Library/Frameworks/AVFoundation.framework Available in iOS 4.0 and later.
, Declared in	AVPlayerLayer.h

### **Overview**

AVPlayerLayer is a subclass of CALayer to which an AVPlayer object can direct its visual output.

You can create arbitrary numbers of player layers with the same AVPlayer object. You can create a layer as illustrated in the following code fragment:

AVPlayer \*player = <#A configured AVPlayer object#>;

```
CALayer *superlayer = <#Get a CALayer#>;
AVPlayerLayer *playerLayer = [AVPlayerLayer playerLayerWithPlayer:player];
[superlayer addSublayer:playerLayer];
```

The value for the contents key of a player layer is opaque and effectively read-only.

During playback, AVPlayer may compensate for temporal drift between its visual output and its audible output to one or more independently-clocked audio output devices by adjusting the timing of its associated player layers. The effects of these adjustments are usually very small; however, clients that wish to remain entirely unaffected by such adjustments may wish to place other layers for which timing is important into independently timed subtrees of their layer trees.

## Tasks

#### Miscellaneous

```
player (page 6) property
```

The player for which the player layer displays visual output.

+ playerLayerWithPlayer: (page 7)
 Returns a player layer to display the visual output of a specified player.
 readyForDisplay (page 6) property

Indicates whether the player is ready to be displayed. (read-only)

videoGravity (page 6) property

Specifies how the video is displayed within a player layer's bounds.

### **Properties**

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

#### player

The player for which the player layer displays visual output.

@property(nonatomic, retain) AVPlayer \*player

Discussion

**Availability** Available in iOS 4.0 and later.

Declared In AVPlayerLayer.h

#### readyForDisplay

Indicates whether the player is ready to be displayed. (read-only)

@property(nonatomic, readonly, getter=isReadyForDisplay) BOOL readyForDisplay

Discussion

**Availability** Available in iOS 4.0 and later.

**Declared In** AVPlayerLayer.h

#### videoGravity

Specifies how the video is displayed within a player layer's bounds.

@property(copy) NSString \*videoGravity

#### Discussion

The default is AVPlayerLayerVideoGravityResizeAspect (page ?).

This property is animatable.

**Availability** Available in iOS 4.0 and later.

**Declared In** AVPlayerLayer.h

## **Class Methods**

#### playerLayerWithPlayer:

Returns a player layer to display the visual output of a specified player.

+ (AVPlayerLayer \*)playerLayerWithPlayer:(AVPlayer \*)player

#### Parameters

player

The player for which the player layer displays visual output.

**Return Value** A player layer configured to display the visual output of *player*.

Discussion

**Availability** Available in iOS 4.0 and later.

**Declared In** AVPlayerLayer.h

## **Document Revision History**

This table describes the changes to AVPlayerLayer Class Reference.

Date	Notes
2010-05-16	First version of a document that describes a Core Animation layer to which an AVPlayer object can direct its visual output.

#### **REVISION HISTORY**

**Document Revision History**