
CGPDFString Reference

[Graphics & Imaging](#) > Quartz



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CGPDFString Reference

Derived From:	None
Framework:	ApplicationServices/ApplicationServices.h
Companion guide	Quartz 2D Programming Guide
Declared in	CGPDFString.h

Overview

The `CGPDFStringRef` opaque type represents a string in a PDF document. A PDF string object is a series of bytes—unsigned integer values in the range 0 to 255. The string elements are not integer objects, but are stored in a more compact format. For more information on the representation of strings in PDF, see the latest version of *PDF Reference*, Adobe Systems Incorporated.

This opaque type is not derived from `CType` and therefore there are no functions for retaining and releasing it. `CGPDFString` objects exist as constituent parts of a `CGPDFDocument` object, and are managed by their container.

Functions by Task

Converting PDF Strings

[CGPDFStringCopyTextString](#) (page 6)

Returns a `CFString` object that represents a PDF string as a text string.

[CGPDFStringCopyDate](#) (page 6)

Converts a string to a date.

Getting PDF String Data

[CGPDFStringGetBytePtr](#) (page 6)

Returns a pointer to the bytes of a PDF string.

[CGPDFStringGetLength](#) (page 7)

Returns the number of bytes in a PDF string.

Functions

CGPDFStringCopyDate

Converts a string to a date.

```
CFDateRef CGPDFStringCopyDate (
    CGPDFStringRef string
);
```

Parameters

string

The string to convert to a date.

Return Value

A CFDate object.

Discussion

The PDF specification defines a specific format for strings that represent dates. This function converts strings in that form to CFDate objects.

Availability

Available in Mac OS X version 10.4 and later.

Declared In

CGPDFString.h

CGPDFStringCopyTextString

Returns a CFString object that represents a PDF string as a text string.

```
CFStringRef CGPDFStringCopyTextString (
    CGPDFStringRef string
);
```

Parameters

string

A PDF string. If this value is NULL, it will cause an error.

Return Value

Returns a CFString object that represents the specified PDF string as a text string. You are responsible for releasing this object.

Availability

Available in Mac OS X version 10.3 and later.

Declared In

CGPDFString.h

CGPDFStringGetBytePtr

Returns a pointer to the bytes of a PDF string.

```
const unsigned char * CGPDFStringGetBytePtr (
    CGPDFStringRef string
);
```

Parameters*string*

A PDF string.

Return Value

Returns a pointer to the bytes of the specified string. If the string is NULL, the function returns NULL.

Availability

Available in Mac OS X version 10.3 and later.

Declared In

CGPDFString.h

CGPDFStringGetLength

Returns the number of bytes in a PDF string.

```
size_t CGPDFStringGetLength (
    CGPDFStringRef string
);
```

Parameters*string*

A PDF string.

Return Value

Returns the number of bytes referenced by the string, or 0 if the string is NULL.

Availability

Available in Mac OS X version 10.3 and later.

Declared In

CGPDFString.h

Data Types

CGPDFStringRef

An opaque data type that represents a string in a PDF document.

```
typedef struct CGPDFString *CGPDFStringRef;
```

Availability

Available in Mac OS X v10.3 and later.

Declared In

CGPDFString.h

Document Revision History

This table describes the changes to *CGPDFString Reference*.

Date	Notes
2008-10-15	Updated the note about not retaining and releasing this object.
2006-12-22	Made minor editorial changes.
2006-04-04	Updated the Introduction.
2005-04-29	Updated for Mac OS X v10.4.
	Added the function <code>CGPDFStringCopyDate</code> (page 6).
2004-08-31	Added introductory material.
2004-02-26	First version of this document. An earlier version of this information appeared in <i>Quartz 2D Reference</i> .

REVISION HISTORY

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