CGPDFStream Reference

Graphics & Imaging > Quartz

2008-10-15

Apple Inc.
© 2003, 2008 Apple Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

Apple, the Apple logo, Mac, Mac OS, and Quartz are trademarks of Apple Inc., registered in the United States and other countries.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

CGPDFStream Reference 5

Overview 5
Functions 5
CGPDFStreamCopyData 5
CGPDFStreamGetDictionary 6
Data Types 6
CGPDFStream 6
Constants 6
CGPDFDataFormat 6

Document Revision History 9

Index 11

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

CGPDFStream Reference

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

Overview

The `CGPDFStreamRef` opaque type represents a PDF stream. A PDF stream consists of a dictionary that describes a sequence of bytes. Streams typically represent objects with potentially large amounts of data, such as images and page descriptions.

This opaque type is not derived from CFType and therefore there are no functions for retaining and releasing it.

Functions

CGPDFStreamCopyData

Returns the data associated with a PDF stream.

```
CFDataRef CGPDFStreamCopyData (
   CGPDFStreamRef stream,
   CGPDFDataFormat *format
);
```

Parameters

stream

A PDF stream.

format

On return, contains a constant that specifies the format of the data returned—`CGPDFDataFormatRaw` (page 7), `CGPDFDataFormatJPEGEncoded` (page 7), or `CGPDFDataFormatJPEG2000` (page 7).

Return Value

A CFData object that contains a copy of the stream data. You are responsible for releasing this object.

Availability

Available in Mac OS X version 10.3 and later.

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

Declared In
`CGPDFStream.h`

CGPDFStreamGetDictionary

Returns the dictionary associated with a PDF stream.

```
CGPDFDictionaryRef CGPDFStreamGetDictionary (
   CGPDFStreamRef stream
);
```

Parameters

stream
A PDF stream.

Return Value
The PDF dictionary for the specified stream.

Availability
Available in Mac OS X version 10.3 and later.

Declared In
`CGPDFStream.h`

Data Types

CGPDFStream

An opaque type that represents a PDF stream.

```
typedef struct CGPDFStream *CGPDFStreamRef;
```

Availability
Available in Mac OS X v10.3 and later.

Declared In
`CGPDFStream.h`

Constants

CGPDFDataFormat

The encoding format of PDF data.

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

```
enum CGPDFDataFormat {
 CGPDFDataFormatRaw,
 CGPDFDataFormatJPEGEncoded,
 CGPDFDataFormatJPEG2000
};
typedef enum CGPDFDataFormat CGPDFDataFormat;
```

Constants

`CGPDFDataFormatRaw`

The data stream is not encoded.

Available in Mac OS X v10.3 and later.

Declared in `CGPDFStream.h`.

`CGPDFDataFormatJPEGEncoded`

The data stream is encoded in JPEG format.

Available in Mac OS X v10.3 and later.

Declared in `CGPDFStream.h`.

`CGPDFDataFormatJPEG2000`

The data stream is encoded in JPEG-2000 format.

Available in Mac OS X v10.4 and later.

Declared in `CGPDFStream.h`.

Availability

Available in Mac OS X version 10.3 and later.

Declared In

`CGPDFStream.h`

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

Document Revision History

This table describes the changes to *CGPDFStream Reference*.

Date	Notes
2008-10-15	Added a note about not retaining and releasing this object.
2006-12-22	Made minor editorial changes.
2006-05-23	Updated "Derived From" information.
2006-04-04	Updated the Introduction.
2005-04-29	Revised introduction.
2004-02-26	First version of this document. An earlier version of this information appeared in *Quartz 2D Reference*.

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

Document Revision History

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.

Index

C

CGPDFDataFormat 6
CGPDFDataFormatJPEG2000 constant 7
CGPDFDataFormatJPEGEncoded constant 7
CGPDFDataFormatRaw constant 7
CGPDFStream data type 6
CGPDFStreamCopyData function 5
CGPDFStreamGetDictionary function 6

2008-10-15 | © 2003, 2008 Apple Inc. All Rights Reserved.