

PdfCreator Reference

Version 1.0

Contents

Chapter1 Introduction

- 1.1 What is PdfCreator
- 1.2 Requires
- 1.3 Installation

Chapter2 Component Reference

- 2.1 SDReport
 - 2.1.1 SDReport Properties
 - 2.1.2 SDReport Methods
- 2.2 SDPage
 - 2.2.1 SDPage properties
 - 2.2.2 SDPage Events
- 2.3 SDLayoutPanel
 - 2.3.1 SDLayoutPanel properties
 - 2.3.2 SDLayoutPanel Events
- 2.4 SDGridPanel
 - 2.4.1 SDGridPanel properties
 - 2.4.2 SDGridPanel Events
- 2.5 SDLabel
 - 2.5.1 SDLabel properties
- 2.6 SDText
 - 2.6.1 SDText properties
- 2.7 SDImage
 - 2.7.1 SDImage properties
- 2.8 SDJpegImage
 - 2.8.1 SDJpegImage properties
- 2.9 SDRect
 - 2.9.1 SDRect properties
- 2.10 SDEllipse



- 2.10.1 SDEllipse properties
- 2.11 SDAnnotation
 - 2.11.1 SDAnnotation properties
- 2.12 SDOOutlineEntry
 - 2.12.1 SDOOutlineEntry properties
 - 2.12.2 SDOOutlineEntry methods
- 2.13 SDDestination
 - 2.13.1 SDDestination properties

CHAPTER 1

Introduction

1.1 What is PdfCreator

PdfCreator is Visual Studio.Net component to create Pdf Document visually.
You can design Pdf document easily on Visual Studio IDE.

1.2 Requires

.Net Framework and Visual Studio.Net

1.3 Installation

CHAPTER 2

Component Reference

2.1 SDReport

SDReport encapsulates the mechanism for creating pdf document.

Description

Use SDReport to create pdf document. To start print job, call the BeginDoc method. To print page, call the Print method. And call the EndDoc method to terminate print job. If you want to terminate print job unless saving document, call the Abort method.

2.1.1 SDReport Properties

public string FileName [get, set]

Set FileName to specify the file name to save document.

public string Author [get, set]

Set Author to specify the author of the document.

public System.DateTime CreationDate [get, set]

Set CreationDate to specify the date and time when the document was created.

public string Creator [get, set]

Set Creator to specify the creator of the document.

public string Keywords [get, set]

Set Keywords to specify keywords of the document.

public System.DateTime ModDate [get, set]

Set Keywords to specify the date and time when the document was last modified.

public string Subject [get, set]

Set Subject to specify the subject of the document.

public string Title [get, set]

Set Title to specify the title of the document.

```
public Report.SDPageMode PageMode [ get, set ]
```

PageMode property specifies how the document should be displayed when opened.

```
public sealed enum SDPageMode : System.Enum
```

UseNone Both of outline and thumbnail images invisible

UseOutlines Document outline visible

UseThumbs Thumbnail images visible

FullScreen Full-screen mode, with no menu bar.

```
public Report.SDPageLayout PageLayout [ get, set ]
```

PageLayout specifies the layout for the page when the document is opened.

```
public sealed enum SDPageLayout : System.Enum
```

SinglePage Display the pages one page at a time.

OneColumn Display the pages in one column.

TwoColumnLeft Display the pages in two columns, with odd-numbered pages on the left.

TwoColumnRight Display the pages in two columns, with odd-numbered pages on the right.

```
public int PageNumber [ get]
```

PageNumber contains the current page number being printed.

```
public Report.SDOutlineRoot OutlineRoot [ get]
```

OutlineRoot returns the root of the outline-entries.

If UseOutline property set to false, OutlineRoot property returns null.

```
public bool UseOutlines [ get, set ]
```

UseOutline determine whether using outlines or not. This property can be set only before BeginDoc() method called.

```
public Report.SDViewerPreference ViewerPreference [ get]
```

Specifies the style when the document is opened.

```
public class SDViewerPreference
```

HideToolbar Specifies that the toolbar should be hidden.

HideMenubar Specifies that the menubar should be hidden.

HideWindowUI Specifies that the interfaces of the document window should be hidden.

FitWindow Specifies that the viewer should resize the document-window to the size of the first displayed page of the document.

CenterWindow Specifies that the viewer-window positioned in the center of the screen.

2.1.2 SDReport Methods

`public void BeginDoc ()`

BeginDoc starts to create PDF document.

`public void Print (Report.SDPage APage)`

Print add the page that specified APage parameter to the PDF document.

`public void EndDoc ()`

EndDoc ends the current print job and outputs PDF document to the file.

`public void Abort ()`

Abort terminates the current print job, dropping all data.

`public void OpenAction (Report.SDDestination Value)`

OpenAction determines the location of the display window and zoom level when the first page appears. If null, the top of the first page appears with default zoom level.

2.2 SDPage

SDPage represents a page to print.

Description

Use SDPage to create a page to print. To create a page, To print a page, call print method of SDReport with SDPage object.

Use Width and Height property to determine the physical size of the page.

2.2.1 SDPage properties

`public int DockPadding.All`

Gets or sets the padding width for all edges of a SDPage.

`public int DockPadding.Bottom`

Gets or sets the padding width for the bottom edge of a SDPage.

`public int DockPadding.Left`

Gets or sets the padding width for the left edge of a SDPage.

`public int DockPadding.Right`

Gets or sets the padding width for the right edge of a SDPage.

`public int DockPadding.Top`

Gets or sets the padding width for the top edge of a SDPage.

`public int Height [get, set]`

Set Height to specify the height of the page.

`public int Width [get, set]`

Set Width to specify the width of the page.

2.2.2 SDPage Events

`public event Report.SDPrintPageEvent PrintPage`

OnPrintPage is called when a page is printed. You can use it to initialize any local variables.

2.3 **SDLayoutPanel**

SDLayoutPanel is main building block of a page.

Description

To make a page, put SDPanel on the SDPage component and put Item component (SDItem, SDImage and so on) on the SDPanel.

2.3.1 **SDLayoutPanel properties**

`public System.Windows.Forms.DockStyle Dock [get, set]`

Align determines how the SDLayoutPanel aligns within SDPage (or SDPanel).

2.3.2 **SDLayoutPanel Events**

`public event Report.SDPrintPanelEvent BeforePrint`

BeforePrint is called before a page is about to be printed. Typical use of this event is to set any variables(SDText, SDImage).

`public event Report.SDPrintPanelEvent AfterPrint`

AfterPrint is called after a page was printed.

2.4 SDGridPanel

SDGridPanel is used to print a table.

Description

A typical use of SDGridPanel is to print a table(like a database data). set TableRowCount and TableColCount property to define row count and column count.

2.4.1 SDGridPanel properties

public System.Windows.Forms.DockStyle Dock [get, set]

Align determines how the SDGridPanel aligns within SDPage (or SDPanel).

public int TableColCount [get, set]

TableColCount determines how many numbers of columns in this panel.

public int TableRowCount [get, set]

TableRowCount determines how many numbers of rows in this panel.

public Report.PrintDirection PrintDirection [get, set]

PrintDirection determines the direction of printing grid.

2.4.2 SDGridPanel Events

public event Report.SDPrintPanelEvent BeforePrint

BeforePrint is called before a page is about to be printed. Typical use of this event is to set any variables(SDText, SDImage).

public event Report.SDPrintPanelEvent AfterPrint

AfterPrint is called after a page was printed.

public event Report.SDPrintChildPanelEvent BeforePrintChild

BeforePrintChild is called every before child panels are about to be printed. Typical use of this event is to set any variables(SDText, SDImage).

public event Report.SDPrintChildPanelEvent AfterPrintChild

AfterPrint is called every after panels were printed.

2.5 SDLabel

SDLabel is used to print a single line text.

Description

Use SDLabel to print single line text.

2.5.1 SDLabel properties

`public System.Windows.Forms.DockStyle Dock [get, set]`

Determines how the control aligns within its container (or parent control).

`public bool AlignJustified [get, set]`

Determines whether adjustment the char width to fit the text to full-justified.

`public Report.SDAlignment Alignment [get, set]`

Controls the horizontal placement of the text within the label.

The samples of the alignment

Alignment LeftJustify

The quick brown fox ate the lazy mouse

Alignment RightJustify

The quick brown fox ate the lazy mouse

Alignment Center

The quick brown fox ate the lazy mouse

AlignJustified

The quick brown fox ate the lazy mouse

`public bool Printable [get, set]`

Determines whether the control will be printed or not.

`public System.Drawing.Color FontColor [get, set]`

Specifies the color of the text.

```
public Report.SdFontName FontName [ get, set ]
```

Identifies the typeface of the font.

```
SdFontName = (FixedWidth, Arial, TimesRoman);
```

Arial

ABCDEFGHabcdefgh12345

TimesRoman

ABCDEFGHabcdefgh12345

FixedWidth

ABCDEFGHabcdefgh12345

```
public float FontSize [ get, set ]
```

Specifies the height of the font in points.

```
public bool FontBold [ get, set ]
```

Specifies whether the font is boldfaced or not.

2.6 SDText

SDText is used to print a text.

Description

Use SDText to print text.

2.6.1 SDText properties

public System.Windows.Forms.DockStyle Dock [get, set]

Determines how the control aligns within its container (or parent control).

public bool Printable [get, set]

Determines whether the control will be printed or not.

public System.Drawing.Color FontColor [get, set]

Specifies the color of the text.

public Report.SdFontName FontName [get, set]

Identifies the typeface of the font.

public float FontSize [get, set]

Specifies the height of the font in points.

public bool FontBold [get, set]

Specifies whether the font is boldfaced or not.

public float Leading [get, set]

Specifies the text leading.

public string[] Lines [get, set]

Contains the individual lines of text.

public float WordSpace [get, set]

Specifies the word spacing of the text.

public bool WordWrap [get, set]

Determines whether the text inserts soft carriage returns so text wraps at the right margin.

2.7 SDImage

SDImage is used to print an image.

Description

Use of SDImage to print an image. SDImage only supports bitmap images.

2.7.1 SDImage properties

`public System.Windows.Forms.DockStyle Dock [get, set]`

Determines how the control aligns within its container (or parent control).

`public bool Printable [get, set]`

Determines whether the control will be printed or not.

`public System.Drawing.Bitmap Picture [get, set]`

Specifies the image that appears on the control.

`public bool Stretch [get, set]`

Determines whether resizing the height and width of the image to fit to the client area or not.

`public bool SharedImage [get, set]`

Determines whether the image data will be shared in the document or not.

If this property is set true, the PDF file has only one image. This means disk capacity can be saved.

But if the image of each page is different, SharedImage property must be set false.

2.8 SDJpegImage

SDJpegImage is used to print a JpegImage.

Description

Use of SDJpegImage to print an image with JPEG encoding.

2.8.1 SDJpegImage properties

public System.Windows.Forms.DockStyle Dock [get, set]

Determines how the control aligns within its container (or parent control).

public bool Printable [get, set]

Determines whether the control will be printed or not.

public System.Drawing.Bitmap Picture [get, set]

Specifies the image that appears on the control. Only Jpeg image is allowed.

public bool Stretch [get, set]

Determines whether resizing the height and width of the image to fit to the client area or not.

public bool SharedImage [get, set]

Determines whether the image data will be shared in the document or not.

If this property is set true, the PDF file has only one image. This means disk capacity can be saved.

But if the image of each page is different, SharedImage property must be set false.

SDRect

SDRect is used to draw rectangles and lines on a report.

2.9.1 SDRect properties

```
public System.Windows.Forms.DockStyle Dock { get; set; }
```

Determines how the control aligns within its container (or parent control).

```
public bool DrawLine [ get, set ]
```

Draw vertical lines

```
public System.Drawing.Color FillColor [ get, set ]
```

FillColor determines fill style for the Rectangle.

```
public System.Drawing.Color LineColor [ get, set ]
```

LineColor determines color of the lines for the Rectangle.

```
public Report.PenStyle LineStyle [ get, set ]
```

LineStyle determines the style in which the pen draws lines.

Solid	_____
Dash	____ _
DashDot	- . - . - . - .
DashDotDot	- . - . - . - . - . - .
Dot

2.10 SDEllipse

SDEllipse is used to draw ellipse on a report.

2.10.1 SDEllipse properties

`public System.Windows.Forms.DockStyle Dock [get, set]`

Determines how the control aligns within its container (or parent control).

`public System.Drawing.Color FillColor [get, set]`

FillColor determines fill style for the Ellipse.

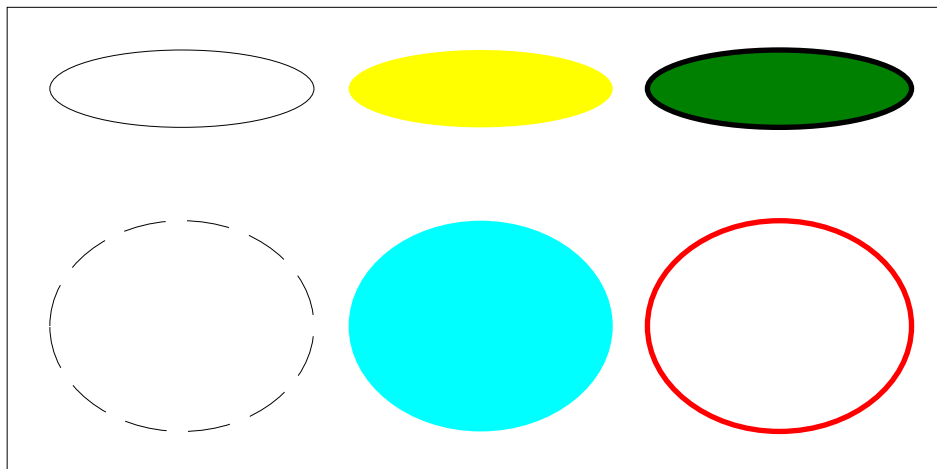
`public System.Drawing.Color LineColor [get, set]`

LineColor determines color of the lines for the Ellipse.

`public Report.PenStyle LineStyle [get, set]`

LineStyle determines the style in which the pen draws lines.

The samples of the SDEllipse



2.11 SDAnnotation

SDAnnotation is used to add annotations to a page

2.11.1 SDAnnotation properties

public string Caption [get, set]

Caption determines the title of annotation window.

public string[] Lines [get, set]

Lines determines the text to be displayed in a pop-up window.

public bool Opened [get, set]

SDAnnotation with Open
property set to true.



SDAnnotation with Open
property set to false.



2.12 SDOutlineEntry

SDAnnotation is used to make outline tree of the document.

2.12.1 SDOutlineEntry properties

public Report.SDOutlineEntry Parent [get]

Indicates the parent entry of this entry.

public Report.SDOutlineEntry Next [get]

Indicates the next sibling entry of this entry.

public Report.SDOutlineEntry Prev [get]

Indicates the previous sibling entry of this entry.

If the entry has no previous entry, Prev property indicates null.

public Report.SDOutlineEntry First [get]

Indicates the first entry of the children.

If the entry has no child entry, First property indicates null.

public Report.SDOutlineEntry Last [get]

Indicates the last entry of the children.

If the entry has no child entry, First property indicates null.

public Report.SDDestination Dest [get, set]

Dest property is a SDDestination object which links to the entry.

public string Title [get, set]

Use the Title property to modify the name of this entry.

public bool Opened [get, set]

Use the Opened property to set whether the entry is opened or not when the document is displayed.

2.12.2 SDOutlineEntry methods

public Report.SDOutlineEntry AddChild ()

AddChild function add a new outline-entry at the last sibling of the entry and return the new outline-entry.

2.13 SDDestination

Use the SDDestination class to set the location of the display window on that page, and the zoom level.

2.13.1 SDDestination properties

```
public Report.PdfDestinationType DestinationType [ get, set ]
```

The DestinationType property determines the type of destination.

```
public sealed enum PdfDestinationType : System.Enum
```

XYZ	Display the page with position and size indicated by Left,Top and Zoom properties.
Fit	Fit the page to the window.
FitH	Fit the width of the page to the window. Only the Top property is used to determine the top position.
FitV	Fit the height of the page to the window. Only the Left property is used to determine the position of the left edge of the window.
FitR	Fit the rectangle specified by Left Top, Right,Bottom properties.
FitB	Fit the page's bounding box to the window.
FitBH	Fit the width of the page's bounding box to the window.
FitBV	Fit the height of the page's bounding box to the window.

```
public long Bottom [ get, set ]
```

```
public long Left [ get, set ]
```

```
public long Right [ get, set ]
```

```
public long Top [ get, set ]
```

```
public float Zoom [ get, set ]
```

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