

## How to print pdf with pdf renderer sdk in C# with ByteScout PDF Suite

If you want to learn more then this tutorial will show how to print pdf with pdf renderer sdk in C#

The coding instructions are formulated to help you to try-out the features without the requirement to write your own code. ByteScout PDF Suite: the set that includes 6 SDK products to work with PDF from generating rich PDF reports to extracting data from PDF documents and converting them to HTML. This bundle includes PDF (Generator) SDK, PDF Renderer SDK, PDF Extractor SDK, PDF to HTML SDK, PDF Viewer SDK and PDF Generator SDK for Javascript. It can print pdf with pdf renderer sdk in C#.

This prolific sample source code in C# for ByteScout PDF Suite contains various functions and other necessary options you should do calling the API to print pdf with pdf renderer sdk. Just copy and paste the code into your C# application's code and follow the instructions. If you want to use these C# sample examples in one or many applications then they can be used easily.

You can download free trial version of ByteScout PDF Suite from our website to see and try many others source code samples for C#.

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Source Code Files:

```

namespace PrintPDF
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">>true if managed resources should be disposed; otherwise, false; otherwise, false if disposing of unmanaged resources.
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            System.ComponentModel.ComponentResourceManager resources = new System.ComponentModel.ComponentResourceManager(typeof(Form1));
            this.printDocument1 = new System.Drawing.Printing.PrintDocument();
            this.printPreviewDialog1 = new System.Windows.Forms.PrintPreviewDialog();
            this.pageSetupDialog1 = new System.Windows.Forms.PageSetupDialog();
            this.printDialog1 = new System.Windows.Forms.PrintDialog();
            this.buttonPageSetup = new System.Windows.Forms.Button();
            this.buttonPrintPreview = new System.Windows.Forms.Button();
            this.buttonPrint = new System.Windows.Forms.Button();
            this.SuspendLayout();
            //
            // printDocument1
            //
            this.printDocument1.PrintPage += new System.Drawing.Printing.PrintPageEventHandler(this.printDocument1_PrintPage);
            //
            // printPreviewDialog1
            //
            this.printPreviewDialog1.AutoScrollMargin = new System.Drawing.Size(0, 0);
            this.printPreviewDialog1.AutoScrollMinSize = new System.Drawing.Size(0, 0);
            this.printPreviewDialog1.ClientSize = new System.Drawing.Size(400, 300);
            this.printPreviewDialog1.Document = this.printDocument1;
            this.printPreviewDialog1.Enabled = true;
            this.printPreviewDialog1.Icon = ((System.Drawing.Icon) (resources.GetObject("printPreviewDialog1.Icon")));
            this.printPreviewDialog1.Name = "printPreviewDialog1";
            this.printPreviewDialog1.UseAntiAlias = true;
            this.printPreviewDialog1.Visible = false;
        }

        #endregion
    }
}

```

```

//
// pageSetupDialog1
//
this.pageSetupDialog1.Document = this.printDocument1;
//
// printDialog1
//
this.printDialog1.Document = this.printDocument1;
this.printDialog1.UseEXDialog = true;
//
// buttonPageSetup
//
this.buttonPageSetup.Anchor = ((System.Windows.Forms.AnchorStyles)
    | System.Windows.Forms.AnchorStyles.Right);
this.buttonPageSetup.Location = new System.Drawing.Point(12, 11);
this.buttonPageSetup.Name = "buttonPageSetup";
this.buttonPageSetup.Size = new System.Drawing.Size(253, 41);
this.buttonPageSetup.TabIndex = 0;
this.buttonPageSetup.Text = "Page Setup";
this.buttonPageSetup.UseVisualStyleBackColor = true;
this.buttonPageSetup.Click += new System.EventHandler(this.buttonPageSetup_Click);
//
// buttonPrintPreview
//
this.buttonPrintPreview.Anchor = ((System.Windows.Forms.AnchorStyles)
    | System.Windows.Forms.AnchorStyles.Right);
this.buttonPrintPreview.Location = new System.Drawing.Point(12, 41);
this.buttonPrintPreview.Name = "buttonPrintPreview";
this.buttonPrintPreview.Size = new System.Drawing.Size(253, 41);
this.buttonPrintPreview.TabIndex = 1;
this.buttonPrintPreview.Text = "Print Preview";
this.buttonPrintPreview.UseVisualStyleBackColor = true;
this.buttonPrintPreview.Click += new System.EventHandler(this.buttonPrintPreview_Click);
//
// buttonPrint
//
this.buttonPrint.Anchor = ((System.Windows.Forms.AnchorStyles)
    | System.Windows.Forms.AnchorStyles.Right);
this.buttonPrint.Location = new System.Drawing.Point(12, 106);
this.buttonPrint.Name = "buttonPrint";
this.buttonPrint.Size = new System.Drawing.Size(253, 41);
this.buttonPrint.TabIndex = 2;
this.buttonPrint.Text = "Print";
this.buttonPrint.UseVisualStyleBackColor = true;
this.buttonPrint.Click += new System.EventHandler(this.buttonPrint_Click);
//
// Form1
//
this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
this.ClientSize = new System.Drawing.Size(277, 161);
this.Controls.Add(this.buttonPrint);
this.Controls.Add(this.buttonPrintPreview);
this.Controls.Add(this.buttonPageSetup);
this.Name = "Form1";
this.Text = "Print PDF";
this.Load += new System.EventHandler(this.Form1_Load);
this.ResumeLayout(false);

```

```

}
```

```

#endregion

private System.Drawing.Printing.PrintDocument printDocument1;
private System.Windows.Forms.PrintPreviewDialog printPreviewDialog1;
private System.Windows.Forms.PageSetupDialog pageSetupDialog1;
private System.Windows.Forms.PrintDialog printDialog1;
private System.Windows.Forms.Button buttonPageSetup;
private System.Windows.Forms.Button buttonPrintPreview;
private System.Windows.Forms.Button buttonPrint;
}
}

```

Form1.cs

```

using System;
using System.Drawing;
using System.Windows.Forms;

using Bytescout.PDFRenderer;

namespace PrintPDF
{
    public partial class Form1 : Form
    {
        private string _document = @"multipage.pdf";
        readonly RasterRenderer _rasterRenderer = null;
        private int _page = 0;

        public Form1()
        {
            InitializeComponent();

            // Create an instance of Bytescout.PDFRenderer.RasterRenderer
            _rasterRenderer = new RasterRenderer();
            _rasterRenderer.RegistrationName = "demo";
            _rasterRenderer.RegistrationKey = "demo";
        }

        private void Form1_Load(object sender, EventArgs e)
        {
            Cursor = Cursors.WaitCursor;

            try
            {
                // Load PDF document
                _rasterRenderer.LoadDocumentFromFile(_document);
            }
            catch { }
        }
    }
}

```

```

        }
        catch (Exception exception)
        {
            MessageBox.Show("Could not open PDF document.\n\n" + ex
        }
        finally
        {
            Cursor = Cursors.Default;
        }
    }

    private void buttonPageSetup_Click(object sender, EventArgs e)
{
    // Set landscape orientation if needed
    RectangleF pageRectangle = _rasterRenderer.GetPageRectangle(0);
    if (pageRectangle.Width > pageRectangle.Height)
        pageSetupDialog1.PageSettings.Landscape = true;

    pageSetupDialog1.ShowDialog();
}

    private void buttonPrintPreview_Click(object sender, EventArgs e)
    {
        _page = 0;
        printPreviewDialog1.Width = 800;
        printPreviewDialog1.Height = 600;
        printPreviewDialog1.ShowDialog();
    }

    private void buttonPrint_Click(object sender, EventArgs e)
    {
        if (printDialog1.ShowDialog() == DialogResult.OK)
        {
            printDocument1.Print();
        }
    }

    private void printDocument1_PrintPage(object sender, System.Drawing.Pr
    {
        Cursor = Cursors.WaitCursor;

        try
        {
            // For the best quality set the rendering resolution equal to
            float renderingResolution = e.PageSettings.PrinterResolution.X

            // Render page to image
            using (Image image = _rasterRenderer.GetImage(_page, renderingResolutio
            {
                // Fit image into the print rectangle keeping the aspect r

                Rectangle printRect = e.MarginBounds;

                float ratio = printRect.Width / (float) image.Width;
                int width = printRect.Width;
                int height = (int) (image.Height * ratio);

                if (height > printRect.Height)
                {
                    ratio = printRect.Height / (float) image.Height;

```



VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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