www.bytescout.com

How to convert RTF email to PDF in C# and ByteScout PDF SDK

Write code in C# to convert RTF email to PDF with this step-by-step tutorial

The code below will help you to implement an C# app to convert RTF email to PDF. Want to convert RTF email to PDF in your C# app? ByteScout PDF SDK is designed for it. ByteScout PDF SDK is the component to help programmers in generating new pdf files, modifying and updating existing pdf documents or pdf forms. Provides support for auto-filling pdf forms, adding text with adjustable font, style, size, font family, new form fields, vector and raster drawings.

Fast application programming interfaces of ByteScout PDF SDK for C# plus the instruction and the code below will help you quickly learn how to convert RTF email to PDF. In order to implement the functionality, you should copy and paste this code for C# below into your code editor with your app, compile and run your application. Code testing will allow the function to be tested and work properly with your data.

ByteScout PDF SDK free trial version is available on our website. C# and other programming languages are supported.

FOR MORE INFORMATION AND FREE TRIAL:

Download Free Trial SDK (on-premise version)

Read more about ByteScout PDF SDK

Explore API Documentation

Get Free Training for ByteScout PDF SDK

Get Free API key for Web API

visit www.ByteScout.com

Source Code Files:

EmailToPDF_RTFEmail.sln

```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.27703.2026
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "EmailToPDF_RTFEmail", "EmailToPDF_
EndProject
Global
	GlobalSection(SolutionConfigurationPlatforms) = preSolution
		Debug|Any CPU = Debug|Any CPU
		Release|Any CPU = Release|Any CPU
	EndGlobalSection
	GlobalSection(ProjectConfigurationPlatforms) = postSolution
		{8B33CB1C-B6A2-4750-9D1C-EB963DC8A17D}.Debug|Any CPU.ActiveCfg = Debug
		{8B33CB1C-B6A2-4750-9D1C-EB963DC8A17D}.Debug|Any CPU.Build.0 = Debug|Ar
		{8B33CB1C-B6A2-4750-9D1C-EB963DC8A17D}.Release|Any CPU.ActiveCfg = Rele
		{8B33CB1C-B6A2-4750-9D1C-EB963DC8A17D}.Release|Any CPU.Build.0 = Releas
	EndGlobalSection
	GlobalSection(SolutionProperties) = preSolution
		HideSolutionNode = FALSE
	EndGlobalSection
	GlobalSection(ExtensibilityGlobals) = postSolution
		SolutionGuid = {88E4CD5D-0D2E-42FD-BD52-BFF59A042E25}
	EndGlobalSection
EndGlobal
```

Program.cs

```
using System;
using System.Diagnostics;
using System.Drawing.Printing;
using System.IO;
using System.Text;
using Bytescout.PDF;
using Bytescout.PDF.Converters;

using Font = Bytescout.PDF.Font;
using SolidBrush = Bytescout.PDF.SolidBrush;

namespace EmailToPDF_HTMLEmail
{
    class Program
    {
        static void Main(string[] args)
        {
            try
```

```
            {
                // Parse MessageContents using MsgReader Library
                // MsgReader library can be obtained from: https://github.com/Sicos197
                using (var msg = new MsgReader.Outlook.Storage.Message("RtfSampleEmail
                {
                    // Get Sender information
                    var from = msg.GetEmailSender(false, false);

                    // Message sent datetime
                    var sentOn = msg.SentOn;

                    // Recipient To information
                    var recipientsTo = msg.GetEmailRecipients(MsgReader.Outlook.Recipie

                    // Recipient CC information
                    var recipientsCc = msg.GetEmailRecipients(MsgReader.Outlook.Recipie

                    // Message subject
                    var subject = msg.Subject;

                    // Get Message Body
                    var msgBody = msg.BodyRtf;

                     // COnvert RTF to HTML
                    msgBody = RtfPipe.Rtf.ToHtml(msgBody);

                    // Prepare PDF docuemnt
                    using (Document outputDocument = new Document())
                    {
                        // Add registration keys
                        outputDocument.RegistrationName = "demo";
                        outputDocument.RegistrationKey = "demo";

                        // Add page
                        Page page = new Page(PaperFormat.A4);
                        outputDocument.Pages.Add(page);

                        // Add sample content
                        Font font = new Font(StandardFonts.Times, 12);
                        Brush brush = new SolidBrush();

                        // Add Email contents
                        int topMargin = 20;
                        page.Canvas.DrawString({code}quot;File Name: {msg.FileName}", 
                        page.Canvas.DrawString({code}quot;From: {from}", font, brush, 
                        page.Canvas.DrawString({code}quot;Sent On: {(sentOn.HasValue ?
                        page.Canvas.DrawString({code}quot;To: {recipientsTo}", font, b

                        if (!string.IsNullOrEmpty(recipientsCc))
                        {
                            page.Canvas.DrawString({code}quot;CC: {recipientsCc}", fon
                        }

                        page.Canvas.DrawString({code}quot;Subject: {subject}", font, b
                        page.Canvas.DrawString("Message body in next page.", font, bru



                        // Convert Html body to PDF in order to retain all formatting.
                        using (HtmlToPdfConverter converter = new HtmlToPdfConverter()
```

```
                        {
                            converter.PageSize = PaperKind.A4;
                            converter.Orientation = Bytescout.PDF.Converters.PaperOrie

                            // Convert input HTML to stream
                            byte[] byteArrayBody = Encoding.UTF8.GetBytes(msgBody);
                            MemoryStream inputStream = new MemoryStream(byteArrayBody)

                            // Create output stream to store generated PDF file
                            using (var outputStream = new MemoryStream())
                            {
                                // Convert HTML to PDF
                                converter.ConvertHtmlToPdf(inputStream, outputStream);

                                // Create new document from generated output stream
                                Document docContent = new Document(outputStream);

                                // Append all pages to main PDF
                                foreach (Page item in docContent.Pages)
                                {
                                    outputDocument.Pages.Add(item);
                                }

                                // Save output file
                                outputDocument.Save("result.pdf");
                            }
                        }

                        // Open result document in default associated application (for
                        ProcessStartInfo processStartInfo = new ProcessStartInfo("resu
                        processStartInfo.UseShellExecute = true;
                        Process.Start(processStartInfo);
                    }
                }
            }
            catch (Exception ex)
            {
                Console.WriteLine(ex.Message);
                Console.WriteLine("Press enter key to exit...");
                Console.ReadLine();
            }
        }

    }
}
```

packages.config

```
<?xml version="1.0" encoding="utf-8"?>
<packages>
  <package id="MsgReader" version="3.4.0" targetFramework="net45" />
```

```
  <package id="OpenMcdf" version="2.2.1.3" targetFramework="net45" />
  <package id="RtfPipe" version="1.0.0.23" targetFramework="net45" />
</packages>
```

VIDEO

https://www.youtube.com/watch?v=gdsQ0EAqwGQ

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