

How to convert RTF email with attachments to PDF in C# using ByteScout PDF SDK

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

Learn how to convert RTF email with attachments to PDF in C# with this source code sample. What is ByteScout PDF SDK? It is the library for pdf documents generation, modification and updates. Can also generate and fill PDF forms. Provides support for text (fonts, style, size, font family), layers, pdf form fields, vector and raster drawings. It can help you to convert RTF email with attachments to PDF in your C# application.

C# code samples for C# developers help to speed up coding of your application when using ByteScout PDF SDK. Follow the instructions from the scratch to work and copy the C# code. Code testing will allow the function to be tested and work properly with your data.

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

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Source Code Files:

```
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_RTFEmailWithAttachments"
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|Any CPU
        {8B33CB1C-B6A2-4750-9D1C-EB963DC8A17D}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {8B33CB1C-B6A2-4750-9D1C-EB963DC8A17D}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {8B33CB1C-B6A2-4750-9D1C-EB963DC8A17D}.Release|Any CPU.Build.0 = Release|Any CPU
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
    GlobalSection(ExtensibilityGlobals) = postSolution
        SolutionGuid = {73EC55CD-06B0-47C9-9C3A-21BA25967D45}
    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_HTMLEmailWithAttachments
{
    class Program
    {
        static void Main(string[] args)
        {
            try
            {

```

```

{
    // Parse MessageContents using MsgReader Library
    // MsgReader library can be obtained from: https://github.com/Sicos1971/MsgReader
    using (var msg = new MsgReader.Outlook.Storage.Message("RtfSampleEmail.rtf"))
    {
        // 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.RecipientType.To);

        // Recipient CC information
        var recipientsCc = msg.GetEmailRecipients(MsgReader.Outlook.RecipientType.Cc);

        // Message subject
        var subject = msg.Subject;

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

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

        // Prepare PDF document
        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("File Name: {msg.FileName}", font, brush, 20, topMargin);
            page.Canvas.DrawString("From: {from}", font, brush, 20, topMargin + 15);
            page.Canvas.DrawString("Sent On: {(sentOn.HasValue ? sentOn.ToString() : null)}", font, brush, 20, topMargin + 30);
            page.Canvas.DrawString("To: {recipientsTo}", font, brush, 20, topMargin + 45);

            if (!string.IsNullOrEmpty(recipientsCc))
            {
                page.Canvas.DrawString("CC: {recipientsCc}", font, brush, 20, topMargin + 60);
            }

            page.Canvas.DrawString("Subject: {subject}", font, brush, 20, topMargin + 75);
            page.Canvas.DrawString("Message body and attachments in next page", font, brush, 20, topMargin + 90);

            // Convert Html body to PDF in order to retain all formatting.
            using (HtmlToPdfConverter converter = new HtmlToPdfConverter())
            {
                converter.PageSize = PaperKind.A4;
            }
        }
    }
}

```



```
}
```

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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