

How to convert RTF email to PDF in VB.NET using ByteScout PDF SDK

This code in VB.NET shows how to convert RTF email to PDF with this how to tutorial

We made thousands of pre-made source code pieces for easy implementation in your own programming projects. What is ByteScout PDF SDK? It is the pdf library that can create, update and modify PDF files. Supports text with fonts and style selections, layers, form fields, drawing lines and objects, automatic tables, images. Can be used to create and fill pdf forms. It can help you to convert RTF email to PDF in your VB.NET application.

This rich sample source code in VB.NET for ByteScout PDF SDK includes the number of functions and options you should do calling the API to convert RTF email to PDF. Follow the instructions from the scratch to work and copy the VB.NET code. Enjoy writing a code with ready-to-use sample VB.NET codes.

ByteScout free trial version is available for download from our website. It includes all these programming tutorials along with source code samples.

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Source Code Files:

EmailToPDF_RTFFemail.sln

```

Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.27703.2026
MinimumVisualStudioVersion = 10.0.40219.1
Project("{F184B08F-C81C-45F6-A57F-5ABD9991F28F}") = "EmailToPDF_RTFEmail", "EmailToPDF
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {E0A3BA18-AA04-4C1E-AF80-F7232FD8D83E}.Debug|Any CPU.ActiveCfg = Debug
        {E0A3BA18-AA04-4C1E-AF80-F7232FD8D83E}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {E0A3BA18-AA04-4C1E-AF80-F7232FD8D83E}.Release|Any CPU.ActiveCfg = Release
        {E0A3BA18-AA04-4C1E-AF80-F7232FD8D83E}.Release|Any CPU.Build.0 = Release
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
    GlobalSection(ExtensibilityGlobals) = postSolution
        SolutionGuid = {1894AF06-255F-4E49-B2A4-969943926926}
    EndGlobalSection
EndGlobal

```

Program.vb

```

Imports System.Drawing.Printing
Imports System.IO
Imports System.Text
Imports Bytescout.PDF
Imports Bytescout.PDF.Converters

Imports Font = Bytescout.PDF.Font
Imports SolidBrush = Bytescout.PDF.SolidBrush

Module Program

    Sub Main()

        Try

            ' Parse MessageContents using MsgReader Library
            ' MsgReader library can be obtained from: https://github.com/Sicos1977/MSGF
            Using msg = New MsgReader.Outlook.Storage.Message("RtfSampleEmail.msg")

                ' Get Sender information
                Dim from = msg.GetEmailSender(False, False)
            End Using
        End Try
    End Sub
End Module

```

```

' Message sent datetime
Dim sentOn = msg.SentOn

' Recipient To information
Dim recipientsTo = msg.GetEmailRecipients(MsgReader.Outlook.RecipientTy

' Recipient CC information
Dim recipientsCc = msg.GetEmailRecipients(MsgReader.Outlook.RecipientTy

' Recipient BCC information
Dim recipientBcc = msg.GetEmailRecipients(MsgReader.Outlook.RecipientTy

' Message subject
Dim subject = msg.Subject

' Get Message Body
Dim msgBody = msg.BodyRtf

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

' Prepare PDF documnt
Using outputDocument As Document = New Document()

    ' Add registration keys
    outputDocument.RegistrationName = "demo"
    outputDocument.RegistrationKey = "demo"

    ' Add page
    Dim page As Page = New Page(PaperFormat.A4)
    outputDocument.Pages.Add(page)

    ' Default font and brush
    Dim font As Font = New Font(StandardFonts.Times, 12)
    Dim brush As Brush = New SolidBrush()

    ' Add Email contents
    Dim topMargin As Integer = 0
    topMargin += 20
    page.Canvas.DrawString({code}"File Name: {msg.FileName}", font

    topMargin += 20
    page.Canvas.DrawString({code}"From: {from}", font, brush, 20, f

    topMargin += 20
    page.Canvas.DrawString({code}"Sent On: {(If(sentOn.HasValue, se

    topMargin += 20
    page.Canvas.DrawString({code}"To: {recipientsTo}", font, brush

    If Not String.IsNullOrEmpty(recipientsCc) Then
        topMargin += 20
        page.Canvas.DrawString({code}"CC: {recipientsCc}", font, b
    End If

    If Not String.IsNullOrEmpty(recipientBcc) Then
        topMargin += 20
        page.Canvas.DrawString({code}"BCC: {recipientBcc}", font, b
    End If

```

```

topMargin += 20
page.Canvas.DrawString(quot;Subject: {subject}", font, brush

topMargin += 20
page.Canvas.DrawString("Message body in next page.", font, brush, 2

' Convert Html body to PDF in order to retain all formatting.
Using converter As HtmlToPdfConverter = New HtmlToPdfConverter()

    converter.PageSize = PaperKind.A4
    converter.Orientation = Bytescout.PDF.Converters.PaperOrientat

' Convert input HTML to stream
Dim byteArrayBody As Byte() = Encoding.UTF8.GetBytes(msgBody)
Dim inputStream As MemoryStream = New MemoryStream(byteArrayBo

' Create output stream to store generated PDF file
Using outputStream = New MemoryStream()
    ' Convert HTML to PDF
    converter.ConvertHtmlToPdf(inputStream, outputStream)

    ' Create new document from generated output stream
    Dim docContent As Document = New Document(outputStream)

    ' Append all pages to main PDF
    For Each item As Page In docContent.Pages
        outputDocument.Pages.Add(item)
    Next

    ' Save output file
    outputDocument.Save("result.pdf")

    ' Open output file
    Process.Start("result.pdf")

        End Using
    End Using
End Using
End Using

Catch ex As Exception
    Console.WriteLine(ex.Message)
    Console.WriteLine("Press enter key to exit...")
    Console.ReadLine()
End Try

End Sub

End Module

```

```
<?xml version="1.0" encoding="utf-8"?>
<packages>
  <package id="MsgReader" version="3.4.1" targetFramework="net45" />
  <package id="OpenMcdf" version="2.2.1.3" targetFramework="net45" />
</packages>
```

VIDEO

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

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