

PDF to image rendering in background thread in VB.NET and ByteScout PDF Renderer SDK

Make PDF to image rendering in background thread in VB.NET

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Tutorial on how to do PDF to image rendering in background thread in VB.NET

These source code samples are listed and grouped by their programming language and functions they use. ByteScout PDF Renderer SDK was made to help with PDF to image rendering in background thread in VB.NET. ByteScout PDF Renderer SDK is the component (SDK) that renders PDF into high quality images and thumbnails. Includes various functions like page by page processing, BMP, PNG, TIFF or stream output. Can be used from web and desktop applications.

Fast application programming interfaces of ByteScout PDF Renderer SDK for VB.NET plus the instruction and the VB.NET code below will help you quickly learn PDF to image rendering in background thread. This VB.NET sample code should be copied and pasted into your application's code editor. Then just compile and run it to see how it works. Enhanced documentation and tutorials are available along with installed ByteScout PDF Renderer SDK if you'd like to dive deeper into the topic and the details of the API.

ByteScout PDF Renderer SDK free trial version is available for download from our website. Free trial also includes programming tutorials along with source code samples.

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Source Code Files:

Program.vb

```
Imports System.IO
Imports System.Threading
Imports Bytestcout.PDFRenderer

Class Program

    Private Shared _doneEvent As New ManualResetEvent(False) ' synchronization event
    Private Shared _counter As Integer ' thread counter

    Friend Shared Sub Main(args As String())

        ' Get all PDF files in current directory
        Dim pdfFiles As String() = Directory.GetFiles(".", "*.pdf")
        _counter = pdfFiles.Length

        ' Render PDF files in separate threads
        For Each pdfFile As String In pdfFiles
            Dim backgroundThread As New Thread(AddressOf BackgroundThreadProc)
            backgroundThread.Start(pdfFile)
            Console.WriteLine(pdfFile & " - conversion started.")
        Next

        ' Wait until threads finished
        _doneEvent.WaitOne()

        Console.WriteLine("Done.")
        Console.WriteLine()
        Console.WriteLine("Press any key to continue...")
        Console.ReadKey()
    End Sub

    ' Rendering thread function
    Private Shared Sub BackgroundThreadProc(data As Object)

        Dim fileName As String = DirectCast(data, String)

        Try
            ' Create renderer
            Using renderer As New RasterRenderer()
                renderer.LoadDocumentFromFile(fileName)

                ' Setup rendering
                Dim renderingOptions As New RenderingOptions()
                renderingOptions.JPEGQuality = 90

                Dim renderingResolution As Single = 300

                ' Render document pages
                For i As Integer = 0 To renderer.GetPageCount() - 1
                    renderer.Save(fileName & ".page" & i & ".jpg", RasterImageFormat.JFIF)
```

```
        Next
    End Using

    Console.WriteLine(fileName & " - successfully converted.")
Catch exception As Exception
    Console.WriteLine(exception.ToString())
End Try

If Interlocked.Decrement(_counter) = 0 Then
    ' Set event if all threads finished
    _doneEvent.Set()
End If
End Sub
End Class
```

VIDEO

<https://www.youtube.com/watch?v=eenhl7106lA>

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