

How to make thumbnail from pdf with pdf renderer sdk in C# with ByteScout PDF Suite

This code in C# shows how to make thumbnail from pdf with pdf renderer sdk with this how to tutorial

These sample source codes on this page below are displaying how to make thumbnail from pdf with pdf renderer sdk in C#. What is ByteScout PDF Suite? It is 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 help you to make thumbnail from pdf with pdf renderer sdk in your C# application.

These C# code samples for C# guide developers to speed up coding of the application when using ByteScout PDF Suite. Simply copy and paste in your C# project or application you and then run your app! Applying C# application mostly includes various stages of the software development so even if the functionality works please test it with your data and the production environment.

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Source Code Files:


```
using System.Drawing;
using System.Diagnostics;
using Bytescout.PDFRenderer;

namespace MakeThumbnail
{
    static class Program
    {
        static void Main()
        {
            // Create an instance of Bytescout.PDFRenderer.RasterRenderer object and register it
            RasterRenderer renderer = new RasterRenderer();
            renderer.RegistrationName = "demo";
            renderer.RegistrationKey = "demo";

            // Load PDF document
            renderer.LoadDocumentFromFile("multipage.pdf");

            // Get size of the page in Points (standard PDF document units; 1 Point = 1/72 inch)
            RectangleF rectangle = renderer.GetPageRectangle(0);

            int width, height;

            if (rectangle.Width < rectangle.Height) // portrait page orientation
            {
                width = -1; // width will be calculated from height keeping the aspect ratio
                height = 100;
            }
            else // landscape page orientation
            {
                width = 100;
                height = -1; // height will be calculated from width keeping the aspect ratio
            }

            // Render first page of the document to JPEG image file
            renderer.Save("thumbnail.jpg", RasterImageFormat.JPEG, 0, width, height);

            // Cleanup
            renderer.Dispose();

            // Open result document in default associated application (for demo purposes)
            ProcessStartInfo processStartInfo = new ProcessStartInfo("thumbnail.jpg");
            processStartInfo.UseShellExecute = true;
            Process.Start(processStartInfo);
        }
    }
}
```

VIDEO

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

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