

## How to regular expression search in PDF and highlight on rendered page in C# with ByteScout PDF Suite

Learn to regular expression search in PDF and highlight on rendered page in C#

The documentation is designed for a specific purpose to help you to apply the features on your side. ByteScout PDF Suite is the bundle that provides six different SDK libraries 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 regular expression search in PDF and highlight on rendered page in C#.

These C# code samples for C# guide developers to speed up coding of the application when using ByteScout PDF Suite. Follow the instructions from scratch to work and copy the C# code. Want to see how it works with your data then code testing will allow the function to be tested and work properly.

Our website gives trial version of ByteScout PDF Suite for free. It also includes documentation and source code samples.

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[visit www.ByteScout.com](http://www.ByteScout.com)

Source Code Files:

```

using System.Diagnostics;
using System.Drawing;
using Bytestcout.PDFExtractor;
using Bytestcout.PDFRenderer;

namespace SearchAndHighlightExample
{
    class Program
    {
        static void Main(string[] args)
        {
            const string inputFile = @"sample.pdf";
            const int pageIndex = 0;
            const float renderingResolution = 300f;
            const string searchPattern = "\\d+\\.\\.\\d+";

            // Prepare TextExtractor
            using (TextExtractor textExtractor = new TextExtractor("demo",
            {
                textExtractor.RegexSearch = true;
                textExtractor.LoadDocumentFromFile(inputFile);

                // Preapre RasterRenderer
                using (RasterRenderer rasterRenderer = new RasterRendere
                {
                    rasterRenderer.LoadDocumentFromFile(inputFile)

                    // Render document page to image
                    Image image = rasterRenderer.GetImage(pageIndex)

                    // Prepare highlight brush
                    Brush highlightBrush = new SolidBrush(Color.Fro

                using (Graphics graphics = Graphics.FromImage(
                {
                    // Search for pattern and paint found p
                    if (textExtractor.Find(pageIndex, search
                    {
                        do
                        {
                            foreach (var foundPiece
                            {
                                // Convert from
                                Rectangle pixel
                                    (int)
                                    (int)
                                    (int)
                                    (int)
                                );
                                // Paint rectan
                                graphics.FillRe
                            }
                        } while (textExtractor.FindNext
                    }
                }
            }
        }
    }
}

```

```
}
    }
    }
    }
    }
    image.Save("result.png");
    Process.Start("result.png");
}
```

## SearchAndHighlightExample.sln

```
Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 2013
VisualStudioVersion = 12.0.40629.0
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "SearchAndHighlightExample", "SearchAndHighlightExample.csproj", "{8378FE44-D33E-4759-AF78-8BAF35E80587}"
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {8378FE44-D33E-4759-AF78-8BAF35E80587}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
        {8378FE44-D33E-4759-AF78-8BAF35E80587}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {8378FE44-D33E-4759-AF78-8BAF35E80587}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {8378FE44-D33E-4759-AF78-8BAF35E80587}.Release|Any CPU.Build.0 = Release|Any CPU
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
EndGlobal
```

## VIDEO

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

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