

## How to extract images from PDF with PDF extractor SDK in ASP.NET C# using ByteScout Data Extraction Suite

Step-by-step tutorial on how to extract images from PDF with PDF extractor SDK in ASP.NET C#

ByteScout simple and easy to understand tutorials are planned to describe the code for both ASP.NET C# beginners and advanced programmers. ByteScout Data Extraction Suite is the bundle that includes three SDK tools for data extraction from PDF, scans, images and from spreadsheets: PDF Extractor SDK, Data Extraction SDK, Barcode Reader SDK. It can be applied to extract images from PDF with PDF extractor SDK using ASP.NET C#.

The following code snippet for ByteScout Data Extraction Suite works best when you need to quickly extract images from PDF with PDF extractor SDK in your ASP.NET C# application. Simply copy and paste in your ASP.NET C# project or application you and then run your app! Further improvement of the code will make it more robust.

Trial version of ByteScout Data Extraction Suite is available for free. Source code samples are included to help you with your ASP.NET C# app.

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Source Code Files:

## Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="ExtractImages.Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>Untitled Page</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>

        </div>
    </form>
</body>
</html>
```

## Default.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Drawing.Imaging;
using System.IO;
using Bytescout.PDFExtractor;

namespace ExtractImages
{
    /*
     * IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:
     *
     * Temporary folder access is required for web application when you use ByteScout SDK.
     * If you are getting errors related to the access to temporary folder like "Access to the path ...
     *
     * SOLUTION:
     *
     * If your IIS Application Pool has "Load User Profile" option enabled the IIS provider ...
     *
     * If you are running Web Application under an impersonated account or IIS_IUSRS group ...
     *
     * In this case
     * - check the User or User Group your web application is running under
     * - then add permissions for this User or User Group to read and write into that temporary folder
     * - restart your web application and try again
     */
}
```

```

public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        String inputFile = Server.MapPath(@".\bin\sample1.pdf");

        // Create Bytescout.PDFExtractor.ImageExtractor instance
        ImageExtractor extractor = new ImageExtractor();
        extractor.RegistrationName = "demo";
        extractor.RegistrationKey = "demo";

        // Load sample PDF document
        extractor.LoadDocumentFromFile(inputFile);

        // Array to keep extracted images
        List<byte[]> extractedImages = new List<byte[]>();

        // Initialize image enumeration
        if (extractor.GetFirstImage())
        {
            do
            {
                // Extract image to memory
                using (MemoryStream memoryStream = new MemoryStream())
                {
                    extractor.SaveCurrentImageToStream(memoryStream);
                    // Keep image as byte array
                    extractedImages.Add(memoryStream.ToArray());
                }
            }
            while (extractor.GetNextImage()); // Advance image enumeration
        }

        // Write first image to the output stream
        Response.Clear();

        Response.ContentType = "image/png";
        Response.AddHeader("Content-Disposition", "inline;filename=imag

        Response.BinaryWrite(extractedImages[0]);

        Response.End();
    }
}

```

Default.aspx.designer.cs

```
//-----
```

```

// <auto-generated>
//   This code was generated by a tool.
//   Runtime Version:2.0.50727.4952
//
//   Changes to this file may cause incorrect behavior and will be lost if
//   the code is regenerated.
// </auto-generated>
//-----
namespace ExtractAllImages {

    /// <summary>
    /// _Default class.
    /// </summary>
    /// <remarks>
    /// Auto-generated class.
    /// </remarks>
    public partial class _Default {

        /// <summary>
        /// form1 control.
        /// </summary>
        /// <remarks>
        /// Auto-generated field.
        /// To modify move field declaration from designer file to code-behind file.
        /// </remarks>
        protected global::System.Web.UI.HtmlControls.HtmlForm form1;
    }
}

```

ExtractImages.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}") = "ExtractImages", "ExtractImages.csproj"
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {0C256397-34FA-4067-98A7-01D3D2BE0F7E}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
        {0C256397-34FA-4067-98A7-01D3D2BE0F7E}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {0C256397-34FA-4067-98A7-01D3D2BE0F7E}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {0C256397-34FA-4067-98A7-01D3D2BE0F7E}.Release|Any CPU.Build.0 = Release|Any CPU

```

```
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
EndGlobal
```

## Web.config

```
<?xml version="1.0"?>

<configuration>

    <appSettings/>
    <connectionStrings/>

    <system.web>
        <!--
            Set compilation debug="true" to insert debugging
            symbols into the compiled page. Because this
            affects performance, set this value to true only
            during development.
        -->
        <compilation debug="true" />
        <!--
            The <authentication> section enables configuration
            of the security authentication mode used by
            ASP.NET to identify an incoming user.
        -->
        <authentication mode="Windows" />
        <!--
            The <customErrors> section enables configuration
            of what to do if/when an unhandled error occurs
            during the execution of a request. Specifically,
            it enables developers to configure html error pages
            to be displayed in place of a error stack trace.
        -->
        <customErrors mode="RemoteOnly" defaultRedirect="GenericErrorPage.htm">
            <error statusCode="403" redirect="NoAccess.htm" />
            <error statusCode="404" redirect="NotFound.htm" />
        </customErrors>
        <!--
    </system.web>
</configuration>
```

---

## VIDEO

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

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