

zugferd invoice extraction in ASP.NET C# using ByteScout PDF Extractor SDK

How To: tutorial on zugferd invoice extraction in ASP.NET C#

These source code samples are listed and grouped by their programming language and functions they use. ByteScout PDF Extractor SDK was made to help with zugferd invoice extraction in ASP.NET C#. ByteScout PDF Extractor SDK is the SDK that helps developers to extract data from unstructured documents, pdf, images, scanned and electronic forms. Includes AI functions like automatic table detection, automatic table extraction and restructuring, text recognition and text restoration from pdf and scanned documents. Includes PDF to CSV, PDF to XML, PDF to JSON, PDF to searchable PDF functions as well as methods for low level data extraction.

You will save a lot of time on writing and testing code as you may just take the code below and use it in your application. In order to implement this functionality, you should copy and paste code below into your app using code editor. Then compile and run your application. Code testing will allow the function to be tested and work properly with your data.

Our website provides free trial version of ByteScout PDF Extractor SDK. It comes along with all these source code samples with the goal to help you with your ASP.NET C# application implementation.

FOR MORE INFORMATION AND FREE TRIAL:

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Source Code Files:

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="ZUGFeRDInvoiceExtraction.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.IO;
using System.Web;
using Bytescout.PDFExtractor;

namespace ZUGFeRDInvoiceExtraction
{
    public partial class _Default : System.Web.UI.Page
    {
        /*
        IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:

        Temporary folder access is required for web application when you use Bytescout.PDFExtractor
        If you are getting errors related to the access to temporary folder like:
        "Access to the path 'C:\Users\user\AppData\Local\Temp\...' is denied."

        SOLUTION:

        If your IIS Application Pool has "Load User Profile" option enabled then you need to add permissions for this user to read and write in the temporary folder.
        If you are running Web Application under an impersonated account or IIS Application Pool has "Load User Profile" option disabled then you need to add permissions for this user to read and write in the temporary folder.

        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 in the temporary folder
        - restart your web application and try again
```

```

*/

protected void Page_Load(object sender, EventArgs e)
{
    String inputFile = Server.MapPath(@".\bin\ZUGFeRD-invoice.pdf");

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

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

    Response.Clear();
    Response.ContentType = "text/html";

    Response.Write("<html><body>\r\n");

    // Display attached ZUGFeRD XML data
    for (int i = 0; i < extractor.Count; i++)
    {
        Response.Write("ZUGFeRD XML invoice attachment: " + extractor.GetFileName(i) + "\r\n");
        MemoryStream mem = new MemoryStream();
        Response.Write("File size: " + extractor.GetSize(i) + " bytes\r\n");

        // You can save the file into temp folder or save to stream
        //extractor.Save(i, extractor.GetFileName(i));

        extractor.SaveToStream(i, mem);
        mem.Position = 0; // reset the stream position
        StreamReader sreader = new StreamReader(mem);
        string zugferdXmlData = sreader.ReadToEnd(); // XML content

        Response.Write("<textarea rows='20' cols='80'>" + HttpUtility.HtmlEncode(zugferdXmlData) + "\r\n");
    }

    Response.Write("\r\n</body></html>");

    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 ExtractInfo {

    /// <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;
    }
}

```

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="FileNotFound.htm" />
    </customErrors>
-->
</system.web>
</configuration>

```

ZUGFeRDInvoiceExtraction.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}") = "ZUGFeRDInvoiceExtraction", "ZUGFeRDInvoiceExtraction.sln"
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

```

VIDEO

https://www.youtube.com/watch?v=s28W3_KMraU

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