

www.bytescout.com

How to batch read barcodes to csv with barcode reader sdk in ASP.NET C# with ByteScout Barcode Suite

Continuous learning is a crucial part of computer science and this tutorial shows how to batch read barcodes to csv with barcode reader sdk in ASP.NET C#.

Quickly learn how to batch read barcodes to csv with barcode reader sdk in ASP.NET C# with this sample source code. ByteScout Barcode Suite: the set that includes three different SDK products to generate barcodes, read barcodes and read and write spreadsheets: Barcode SDK, Barcode Reader SDK and Spreadsheet SDK. It can batch read barcodes to csv with barcode reader sdk in ASP.NET C#.

This prolific sample source code in ASP.NET C# for ByteScout Barcode Suite contains various functions and other necessary options you should do calling the API to batch read barcodes to csv with barcode reader sdk. This ASP.NET C# sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! This basic programming language sample code for ASP.NET C# will do the whole work for you to batch read barcodes to csv with barcode reader sdk.

ByteScout Barcode Suite free trial version is available on our website. ASP.NET C# and other programming languages are supported.

FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about ByteScout Barcode Suite](#)

[Explore API Documentation](#)

[Get Free Training for ByteScout Barcode Suite](#)

[Get Free API key for Web API](#)

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

Source Code Files:

Default.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Scan Image/PDF files for barcode and generate CSV</title>
</head>
<body>
    <form id="form1" runat="server">

        <label>
            This project demonstrates scanning of folder, and processing each image/PDF file.
            It'll then generates CSV file containing barcodes and downloads it.
        </label>
        <br />
        <br />
        <div>
            <asp:Button ID="btnImagePDFBarcodeToCSV" Text="Scan for Barcode and Generate CSV" runat="server" OnClick="btnImagePDFBarcodeToCSV_Click" />
            <br />
            <br />
            <asp:Label ID="lblInfo" runat="server" Text=""></asp:Label>
        </div>
    </form>
</body>
</html>
```

Default.aspx.cs

```
using Bytescout.BarCodeReader;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace ImagePDFBarcodeToCSV
{
    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 BarCode Reader component.
        If you are getting errors related to the access to temporary folder like "Access to the path 'C:\Windows\Temp' is denied." or "The process cannot access the file because it is being used by another process.", please make sure that your application has sufficient permissions to write to the temporary folder.
        */
    }
}
```

SOLUTION:

```
If your IIS Application Pool has "Load User Profile" option enabled the IIS pro  
If you are running Web Application under an impersonated account or IIS_IUSRS g  
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  
- restart your web application and try again  
  
*/  
  
protected void Page_Load(object sender, EventArgs e)  
{  
}  
  
protected void btnImagePDFBarcodeToCSV_Click(object sender, EventArgs e)  
{  
    //Read Barcode Process  
    Reader reader = new Reader();  
    reader.RegistrationKey = "demo";  
    reader.RegistrationName = "demo";  
  
    // Set Barcode type to find  
    reader.BarcodeTypesToFind.All = true;  
  
    // Output list  
    List<CSVOutputFormat> lstCSVOutput = new List<CSVOutputFormat>();  
  
    // Get all files in folder, and iterate through each file  
    var files = System.IO.Directory.GetFiles(Request.MapPath("~/BarcodeFiles"))  
    foreach (var fileName in files)  
    {  
        // Read barcodes  
        FoundBarcode[] barcodes = reader.ReadFrom(fileName);  
  
        foreach (FoundBarcode code in barcodes)  
        {  
            lstCSVOutput.Add(new CSVOutputFormat { barcodeValue = code.Value, b  
        }  
  
        // Set info text  
        lblInfo.Text = string.Format("Total {0} barcode found in {1} file.", lstCSV  
  
        // Export to CSV  
        ExportToCsv(lstCSVOutput, Response);  
    }  
  
    /// <summary>  
    /// Exports to CSV  
    /// </summary>  
    /// <param name="lstCSVOutput"></param>  
private static void ExportToCsv(List<CSVOutputFormat> lstCSVOutput, HttpResponse  
{  
    System.Text.StringBuilder csvOutputContent = new System.Text.StringBuilder()  
}
```

```

        csvOutputContent.Append("Barcode Value,Barcode Type,Scan DateTime,File Name

        foreach (var item in lstCSVOutput)
        {
            csvOutputContent.AppendFormat("\r\n{0},{1},{2},{3}", item.barcodeValue
        }

        // Perform download of file
        response.Clear();
        response.ClearHeaders();

        response.AppendHeader("Content-Length", csvOutputContent.Length.ToString());
        response.ContentType = "text/csv";
        response.AppendHeader("Content-Disposition", "attachment;filename=\"output

        response.Write(csvOutputContent.ToString());
        response.End();
    }
}

class CSVOutputFormat
{
    public string barcodeValue { get; set; }
    public string barcodeType { get; set; }
    public string scanDateTime { get; set; }
    public string fileName { get; set; }
}

}

```

Default.aspx.designer.cs

```

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

namespace ImagePDFBarcodeToCSV {

    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;

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

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

}

```

ImagePDFBarcodeToCSV.sln

```

Microsoft Visual Studio Solution File, Format Version 12.00
# Visual Studio 15
VisualStudioVersion = 15.0.27703.2026
MinimumVisualStudioVersion = 10.0.40219.1
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "ImagePDFBarcodeToCSV", "ImagePDFBarcodeToCSV.csproj", {}
EndProject
Global
    GlobalSection(SolutionConfigurationPlatforms) = preSolution
        Debug|Any CPU = Debug|Any CPU
        Release|Any CPU = Release|Any CPU
    EndGlobalSection
    GlobalSection(ProjectConfigurationPlatforms) = postSolution
        {2284DD7C-8475-49DF-B6C9-57F726573AA8}.Debug|Any CPU.ActiveCfg = Debug|Any CPU
        {2284DD7C-8475-49DF-B6C9-57F726573AA8}.Debug|Any CPU.Build.0 = Debug|Any CPU
        {2284DD7C-8475-49DF-B6C9-57F726573AA8}.Release|Any CPU.ActiveCfg = Release|Any CPU
        {2284DD7C-8475-49DF-B6C9-57F726573AA8}.Release|Any CPU.Build.0 = Release|Any CPU
    EndGlobalSection
    GlobalSection(SolutionProperties) = preSolution
        HideSolutionNode = FALSE
    EndGlobalSection
    GlobalSection(ExtensibilityGlobals) = postSolution
        SolutionGuid = {27B3CAC5-CEAC-4F05-85BE-10B502086D8C}

```

```
    EndGlobalSection  
EndGlobal
```

Web.config

```
<?xml version="1.0" encoding="utf-8"?>  
  
<!--  
 For more information on how to configure your ASP.NET application, please visit  
 https://go.microsoft.com/fwlink/?LinkId=169433  
 -->  
  
<configuration>  
    <system.web>  
        <compilation debug="true" targetFramework="4.0" />  
    </system.web>  
  
</configuration>
```

VIDEO

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

ON-PREMISE OFFLINE SDK

[60 Day Free Trial](#) or [Visit ByteScout Barcode Suite Home Page](#)
[Explore ByteScout Barcode Suite Documentation](#)
[Explore Samples](#)
[Sign Up for ByteScout Barcode Suite Online Training](#)

ON-DEMAND REST WEB API

[Get Your API Key](#)
[Explore Web API Docs](#)

[Explore Web API Samples](#)

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

[visit www.PDF.co](http://www.PDF.co)

www.bytescout.com