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

Learn to batch read barcodes to csv with barcode reader sdk in ASP.NET VB

ByteScout simple and easy to understand tutorials are planned to describe the code for both ASP.NET VB beginners and advanced programmers. ByteScout Barcode Suite is the bundle that provides 3 SDK products to generate barcodes (Barcode SDK), read barcodes (Barcode Reader SDK) and read and write spreadsheets (Spreadsheet SDK). It can batch read barcodes to csv with barcode reader sdk in ASP.NET VB.

The following code snippet for ByteScout Barcode Suite works best when you need to quickly batch read barcodes to csv with barcode reader sdk in your ASP.NET VB application. If you want to implement the functionality, just copy and paste this code for ASP.NET VB below into your code editor with your app, compile and run your application. Applying ASP.NET VB 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.

If you want to try other source code samples then the free trial version of ByteScout Barcode Suite is available for download from our website. Just try other source code samples for ASP.NET VB.

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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
            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
        If you are getting errors related to the access to temporary folder like "Access to the path 'C:\Windows\Temp' is denied." then
        
```

## 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, HttpRespon  
{  
    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>

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