

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

Learning is essential in computer world and the tutorial below will demonstrate how to read barcodes from image with barcode reader sdk in ASP.NET VB

The sample shows instructions and algorithm of how to read barcodes from image with barcode reader sdk and how to make it run in your ASP.NET VB application. ByteScout Barcode Suite can read barcodes from image with barcode reader sdk. It can be applied from ASP.NET VB. ByteScout Barcode Suite is 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.

The SDK samples given below describe how to quickly make your application do read barcodes from image with barcode reader sdk in ASP.NET VB with the help of ByteScout Barcode Suite. 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.

You can download free trial version of ByteScout Barcode Suite from our website to see and try many others source code samples for ASP.NET VB.

FOR MORE INFORMATION AND FREE TRIAL:

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

Source Code Files:

## About.aspx

```
<%@ Page Title="About Us" Language="vb" MasterPageFile="~/Site.Master" AutoEventWireup="true"
    CodeBehind="About.aspx.vb" Inherits="Barcodes_From_Image.About" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
    <h2>
        About
    </h2>
    <p>
        Put content here.
    </p>
</asp:Content>
```

## About.aspx.designer.vb

```
'-----
' <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>
'-----

Option Strict On
Option Explicit On

Partial Public Class About
End Class
```

## About.aspx.vb

```

Public Class About
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Page_Load
    End Sub

End Class

```

Default.aspx

```

<%@ Page Language="vb" AutoEventWireup="true" CodeBehind="Default.aspx.vb" Inherits="BarcodeReaderTester.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 id="Head1" runat="server">
    <title>Web Barcode Reader Tester (C#)</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Click browse button to upload an image<br />
            <br />
            <asp:FileUpload ID="FileUpload1" runat="server" /><br />
            <br />
            <asp:Button id="UploadButton"
                Text="Upload file"
                runat="server">
            </asp:Button>
            <br />
            <br />
            <asp:Label id="UploadStatusLabel" Text="" runat="server"></asp:Label>
            <br />
            <asp:ListBox ID="ListBox1" runat="server" Visible="False"></asp:ListBox><br />
            <br />
            <asp:Image ID="Image1" runat="server" Height="74px" Width="71px" /></div>
        </form>
    </body>
</html>

```

```

'-----
' <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>
'-----

Option Strict On
Option Explicit On

Partial Public Class _Default

    '''<summary>
    '''Head1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents Head1 As Global.System.Web.UI.HtmlControls.HtmlHead

    '''<summary>
    '''form1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents form1 As Global.System.Web.UI.HtmlControls.HtmlForm

    '''<summary>
    '''FileUpload1 control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents FileUpload1 As Global.System.Web.UI.WebControls.FileUpload

    '''<summary>
    '''UploadButton control.
    '''</summary>
    '''<remarks>
    '''Auto-generated field.
    '''To modify move field declaration from designer file to code-behind file.
    '''</remarks>
    Protected WithEvents UploadButton As Global.System.Web.UI.WebControls.Button

    '''<summary>
    '''UploadStatusLabel control.
    '''</summary>
    '''<remarks>

```

```

'''Auto-generated field.
'''To modify move field declaration from designer file to code-behind file.
'''</remarks>
Protected WithEvents UploadStatusLabel As Global.System.Web.UI.WebControls.Label

'''<summary>
'''ListBox1 control.
'''</summary>
'''<remarks>
'''Auto-generated field.
'''To modify move field declaration from designer file to code-behind file.
'''</remarks>
Protected WithEvents ListBox1 As Global.System.Web.UI.WebControls.ListBox

'''<summary>
'''Image1 control.
'''</summary>
'''<remarks>
'''Auto-generated field.
'''To modify move field declaration from designer file to code-behind file.
'''</remarks>
Protected WithEvents Image1 As Global.System.Web.UI.WebControls.Image
End Class

```

Default.aspx.vb

```

Imports System.IO
Imports Bytescout.BarCodeReader

Public Class _Default
    Inherits System.Web.UI.Page

    ' IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:

    ' Temporary folder access is required for web application when you use ByteScout S
    ' If you are getting errors related to the access to temporary folder like "Access

    ' SOLUTION:

    ' If your IIS Application Pool has "Load User Profile" option enabled the IIS prov
    ' If you are running Web Application under an impersonated account or IIS_IUSRS gro

    ' 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 te
    ' - restart your web application and try again

    Private Sub UploadButton_Click(sender As Object, e As System.EventArgs) Handles Up

```

```

Dim savePath As String = "\uploads\"

If (FileUpload1.HasFile) Then

    Dim virtualFilePath As String = Path.Combine(savePath, FileUpload1.FileName)

    Dim serverFilePath As String = Server.MapPath(virtualFilePath)
    If Not Directory.Exists(Path.GetDirectoryName(serverFilePath)) Then
        Directory.CreateDirectory(Path.GetDirectoryName(serverFilePath))
    End If

    FileUpload1.SaveAs(serverFilePath)

    Dim image As System.Drawing.Image = Nothing

    Try
        Using fileStream As FileStream = File.OpenRead(serverFilePath)
            image = System.Drawing.Image.FromStream(fileStream)
        End Using

    Catch ex As Exception

    End Try

    If image Is Nothing Then
        UploadStatusLabel.Visible = True
        UploadStatusLabel.Text = "Your file is not an image."
        Image1.Visible = False
        ListBox1.Visible = False
    Else
        UploadStatusLabel.Visible = False
        Image1.ImageUrl = virtualFilePath
        Image1.Visible = True
        Image1.Width = image.Width
        Image1.Height = image.Height
        ListBox1.Items.Clear()
        ListBox1.Visible = True

        FindBarcodes(serverFilePath)

        If ListBox1.Items.Count = 0 Then
            ListBox1.Items.Add("No barcodes found")
        End If

    End If

Else
    'Notify the user that a file was not uploaded.
    UploadStatusLabel.Text = "You did not specify a file to upload."
End If

End Sub

Private Sub FindBarcodes(fileName As String)

    Dim reader As Reader = New Reader()

    ' Limit search to 1D barcodes only (exclude 2D barcodes to speed up the search)
    ' Change to bc.BarcodeTypesToFind.SetAll() to scan for all supported 1D
    ' or select specific type, e.g. bc.BarcodeTypesToFind.PDF417 = True

```

```

        reader.BarcodeTypesToFind.SetAll1D()

        ' reader.MediumTrustLevelCompatible = True ' uncomment this line to enable Med
reader.ReadFromFile(fileName)

For Each barcode As FoundBarcode In reader.FoundBarcodes
    ListBox1.Items.Add(String.Format("{0} : {1}", barcode.Type, barcode.Value))
Next

End Sub

End Class

```

Global.asax.vb

```

Imports System.Web.SessionState

Public Class Global_asax
    Inherits System.Web.HttpApplication

    Sub Application_Start(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the application is started
    End Sub

    Sub Session_Start(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the session is started
    End Sub

    Sub Application_BeginRequest(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires at the beginning of each request
    End Sub

    Sub Application_AuthenticateRequest(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires upon attempting to authenticate the use
    End Sub

    Sub Application_Error(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when an error occurs
    End Sub

    Sub Session_End(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the session ends
    End Sub

    Sub Application_End(ByVal sender As Object, ByVal e As EventArgs)
        ' Fires when the application ends
    End Sub

End Class

```

Site.Master.designer.vb

```
'-----  
' <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>  
'-----
```

Option Strict On

Option Explicit On

Partial Public Class SiteMaster

```
'''<summary>  
'''Head1 control.  
'''</summary>  
'''<remarks>  
'''Auto-generated field.  
'''To modify move field declaration from designer file to code-behind file.  
'''</remarks>
```

Protected WithEvents Head1 As Global.System.Web.UI.HtmlControls.HtmlHead

```
'''<summary>  
'''HeadContent control.  
'''</summary>  
'''<remarks>  
'''Auto-generated field.  
'''To modify move field declaration from designer file to code-behind file.  
'''</remarks>
```

Protected WithEvents HeadContent As Global.System.Web.UI.WebControls.ContentPlaceH

```
'''<summary>  
'''Form1 control.  
'''</summary>  
'''<remarks>  
'''Auto-generated field.  
'''To modify move field declaration from designer file to code-behind file.  
'''</remarks>
```

Protected WithEvents Form1 As Global.System.Web.UI.HtmlControls.HtmlForm

```
'''<summary>  
'''HeadLoginView control.  
'''</summary>  
'''<remarks>  
'''Auto-generated field.
```



```

'''To modify move field declaration from designer file to code-behind file.
'''</remarks>
Protected WithEvents HeadLoginView As Global.System.Web.UI.WebControls.LoginView

'''<summary>
'''NavigationMenu control.
'''</summary>
'''<remarks>
'''Auto-generated field.
'''To modify move field declaration from designer file to code-behind file.
'''</remarks>
Protected WithEvents NavigationMenu As Global.System.Web.UI.WebControls.Menu

'''<summary>
'''MainContent control.
'''</summary>
'''<remarks>
'''Auto-generated field.
'''To modify move field declaration from designer file to code-behind file.
'''</remarks>
Protected WithEvents MainContent As Global.System.Web.UI.WebControls.ContentPlaceHolder
End Class

```

## Site.Master.vb

```

Public Class Site
    Inherits System.Web.UI.MasterPage

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Page_Load
    End Sub

End Class

```

## Web.Debug.config

```

<?xml version="1.0"?>

<!-- For more information on using web.config transformation visit http://go.microsoft.com/fwlink?linkid=1402 -->

```

```

<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">
  <!--
    In the example below, the "SetAttributes" transform will change the value of
    "connectionString" to use "ReleaseSQLServer" only when the "Match" locator
    finds an attribute "name" that has a value of "MyDB".

    <connectionStrings>
      <add name="MyDB"
        connectionString="Data Source=ReleaseSQLServer;Initial Catalog=MyReleaseDB;Inte
        xdt:Transform="SetAttributes" xdt:Locator="Match(name)"/>
      </connectionStrings>
    -->
</system.web>
  <!--
    In the example below, the "Replace" transform will replace the entire
    <customErrors> section of your web.config file.
    Note that because there is only one customErrors section under the
    <system.web> node, there is no need to use the "xdt:Locator" attribute.

    <customErrors defaultRedirect="GenericError.htm"
      mode="RemoteOnly" xdt:Transform="Replace">
      <error statusCode="500" redirect="InternalError.htm"/>
    </customErrors>
  -->
</system.web>
</configuration>

```

## Web.Release.config

```

<?xml version="1.0"?>
<!-- For more information on using web.config transformation visit http://go.microsoft.com/fwlink/?LinkId=72351 -->
<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">
  <!--
    In the example below, the "SetAttributes" transform will change the value of
    "connectionString" to use "ReleaseSQLServer" only when the "Match" locator
    finds an attribute "name" that has a value of "MyDB".

    <connectionStrings>
      <add name="MyDB"
        connectionString="Data Source=ReleaseSQLServer;Initial Catalog=MyReleaseDB;Inte
        xdt:Transform="SetAttributes" xdt:Locator="Match(name)"/>
      </connectionStrings>
    -->
</system.web>
  <compilation xdt:Transform="RemoveAttributes(debug)" />
  <!--
    In the example below, the "Replace" transform will replace the entire
    <customErrors> section of your web.config file.
    Note that because there is only one customErrors section under the

```

```

<system.web> node, there is no need to use the "xdt:Locator" attribute.

<customErrors defaultRedirect="GenericError.htm"
  mode="RemoteOnly" xdt:Transform="Replace">
  <error statusCode="500" redirect="InternalError.htm"/>
</customErrors>
-->
</system.web>
</configuration>

```

## Web.config

```

<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
-->

<configuration>
  <connectionStrings>
    <add name="ApplicationServices"
      connectionString="data source=.\SQLEXPRESS;Integrated Security=SSPI;AttachDBF=
      providerName="System.Data.SqlClient" />
    </connectionStrings>

    <system.web>
      <compilation debug="true" strict="false" explicit="true" targetFramework="4.0" />

      <authentication mode="Forms">
        <forms loginUrl="~/Account/Login.aspx" timeout="2880" />
      </authentication>

      <membership>
        <providers>
          <clear/>
          <add name="AspNetSqlMembershipProvider" type="System.Web.Security.SqlMembership
            enablePasswordRetrieval="false" enablePasswordReset="true" requiresQuestion
            maxInvalidPasswordAttempts="5" minRequiredPasswordLength="6" minRequiredNo
            applicationName="/" />
          </providers>
        </membership>

        <profile>
          <providers>
            <clear/>
            <add name="AspNetSqlProfileProvider" type="System.Web.Profile.SqlProfileProvide
          </providers>
        </profile>

        <roleManager enabled="false">

```

```
<providers>
  <clear/>
  <add name="AspNetSqlRoleProvider" type="System.Web.Security.SqlRoleProvider" co
  <add name="AspNetWindowsTokenRoleProvider" type="System.Web.Security.WindowsTo
</providers>
</roleManager>

</system.web>

<system.webServer>
  <modules runAllManagedModulesForAllRequests="true"/>
</system.webServer>
</configuration>
```

---

## VIDEO

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

## ON-PREMISE OFFLINE SDK

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