

# Re: Google SiteMap

---

*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2006-10/msg01425.html>

---

- *From:* "Ken Cox [Microsoft MVP]" <[BANSPAMkjopc@xxxxxxxxxxxxxxxxxxxxx](mailto:BANSPAMkjopc@xxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sun, 8 Oct 2006 13:38:28 -0400
- 

Here's a handler that should get you going.

Ken

Microsoft MVP [ASP.NET]

```
<%@ WebHandler Language="VB" Class="googlesitemap" %>
' googlesitemap.ashx
' Adapted from a C# version in
' ASP.NET 2.0 Unleashed
' http://www.superexpert.com/Books/AspNet2Unleashed/Default.aspx
' by Ken Cox [MVP - ASP.NET]
Imports System.Web
Imports System.Xml
Imports System.Text
Imports System.IO

Public Class googlesitemap : Implements IHttpHandler
Private xmlwtr As XmlWriter
Public Sub ProcessRequest _
(ByVal context As HttpContext) _
Implements IHttpHandler.ProcessRequest
context.Response.ContentType = "text/xml"
Dim settings As XmlWriterSettings = _
New XmlWriterSettings()
settings.Encoding = Encoding.UTF8
settings.Indent = True
xmlwtr = XmlWriter.Create _
(context.Response.OutputStream, settings)
xmlwtr.WriteStartDocument()
xmlwtr.WriteStartElement _
("urlset", "http://www.google.com/schemas/sitemap/0.84)
' Add root node
AddUrl(SiteMap.RootNode)
' Add all other nodes
Dim nodes As SiteMapNodeCollection = _
SiteMap.RootNode.GetAllNodes()
For Each node As SiteMapNode In nodes
AddUrl(node)

```

Next node

xmlwtr.WriteEndElement()  
xmlwtr.WriteEndDocument()  
xmlwtr.Flush()  
End Sub

Private Sub AddUrl(ByVal node As SiteMapNode)  
' Skip empty Urls  
If String.IsNullOrEmpty(node.Url) Then  
Return  
End If  
' Skip remote nodes  
If node.Url.StartsWith("http", True, Nothing) Then  
Return  
End If  
' Open url tag  
xmlwtr.WriteStartElement("url")  
' Write location  
xmlwtr.WriteStartElement("loc")  
xmlwtr.WriteString(GetFullUrl(node.Url))  
xmlwtr.WriteEndElement()  
' Write last modified  
xmlwtr.WriteStartElement("lastmod")  
xmlwtr.WriteString(GetLastModified(node.Url))  
xmlwtr.WriteEndElement()  
' Write changefreq  
xmlwtr.WriteStartElement("changefreq")  
xmlwtr.WriteString("daily")  
xmlwtr.WriteEndElement()  
' Write priority  
xmlwtr.WriteStartElement("priority")  
xmlwtr.WriteString("0.8")  
xmlwtr.WriteEndElement()  
' Close url tag  
xmlwtr.WriteEndElement()  
End Sub

Private Function GetFullUrl  
(ByVal url As String) As String  
Dim context As HttpContext = HttpContext.Current  
Dim server As String =  
context.Request.Url.GetComponents  
(UriComponents.SchemeAndServer, UriFormat.UriEscaped)  
Return Combine(server, url)  
End Function

Private Function Combine  
(ByVal baseUrl As String,  
ByVal url As String) As String  
baseUrl = baseUrl.TrimEnd(New Char() {"/"c})

Re: Google SiteMap

```
url = url.TrimStart(New Char() {"/"c})  
Return baseUrl & "/" & url  
End Function
```

```
Private Function GetLastModified  
(ByVal url As String) As String  
Dim context As HttpContext = HttpContext.Current  
Dim physicalPath As String =  
context.Server.MapPath(url)  
Return File.GetLastWriteTimeUtc  
(physicalPath).ToString("s")  
End Function
```

```
Public ReadOnly Property IsReusable()  
As Boolean Implements IHttpHandler.IsReusable  
Get  
Return True  
End Get  
End Property
```

End Class

"shapper" <mdmoura@xxxxxxxx> wrote in message  
news:1160309405.272792.273500@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Hello.

I am trying to convert an Asp.Net 2.0 XML sitemap file to a Google's  
sitemap file.

I am posting the formats of both files.

1. How can I do the conversion?
2. And can I use an .ashx Asp.Net file that when the .ashx file is  
called the Google XML file is generated?

Thank You,  
Miguel

GOOGLE SiteMap

```
<?xml version="1.0" encoding="UTF-8"?>  
< urlset xmlns="http://www.google.com/schemas/sitemap/0.84">  
< url>  
< loc>http://www.mydomain.com/example.aspx</loc>  
< lastmod>2005-01-01</lastmod>  
< changefreq>daily</changefreq>  
< priority>0.8</priority>  
</url>  
</urlset>
```

Re: Google SiteMap

Re: Google SiteMap

ASP.NET 2.0 Site Map

```
<?xml version="1.0" encoding="utf-8" ?>
<siteMap
xmlns = "http://schemas.microsoft.com/AspNet/SiteMap-File-1.0 >
<siteMapNode>
<siteMapNode
url = "~/example.aspx"
changefreq = "daily"
lastmod = "2005-01-01"
description = "My example page and its contents"
priority = "0.8"
title = "Example page" />
</siteMapNode>
</siteMap>
```

Note: description and title should be dropped when converting from Asp.Net to Google sitemap.

.