Custom 404 Version 1.x
Installation and Configuration

August 1, 2015

Envision IT
7145 West Credit Avenue
Suite 100, Building 3
Mississauga, ON L5N 6J7

Table of Contents

Overview 2

Deploy Custom 404 to Your SharePoint Server 3

Deploy the License File 3

SharePoint 2013 Support 4

List Creation 4

Test Page 7

Supporting Redirects From .ASP URLs 8

Uninstall 11

Overview

The following tasks are required to install and configure this component:

1. You must be a Site Collection Administrator for install
2. All new URL's should be created before install (More can be added after install)
3. Compile list of old URL's and new URL's (This is needed during the List Configuration)
4. Deploy the Custom 404 solution to your SharePoint server

Deploy Custom 404 to Your SharePoint Server

1. Place the **EIT.Silverlight.PhotoViewer.wsp** in a folder of your choice (C:\Packages is used in these instructions).
2. Open the **SharePoint 2010/2013 Management Shell** by right clicking on it and selecting "Run as Administrator"
3. Run the following commands. Replace the path with the Full path to the WSP file.

```
Add-SPSolution -LiteralPath "C:\Packages\ EIT.Custom404.wsp"

Install-SPSolution –Identity EIT.Custom404.wsp –GacDeployment
```

4. Run the following command to enable the feature at each web application, replacing “http://yoursite/” with the URL of your site.

```
Enable-SPFeature –identity " Custom404_Custom404ListTemplate" -
URL "http://yoursite"
```

Deploy the License File

In order for Custom 404 to display the redirected pages you must have a valid license file on your server. A 30 day trial license file is available as part of the install package. This can be replaced with a production license file once the product is purchased. The License file name is EIT.Custom404.License.txt. You will receive the following message if you do not deploy the license file.

1. Place the EIT.Custom404.License.txt file in the following directory

```
C:\Program Files\Common Files\Microsoft Shared\Web Server
Extensions\14\TEMPLATE\LAYOUTS\EIT.Custom404\ClientBin
```

SharePoint 2013 Support

1. Open the **SharePoint 2013 Management Shell** by right clicking on it and selecting "Run as Administrator"

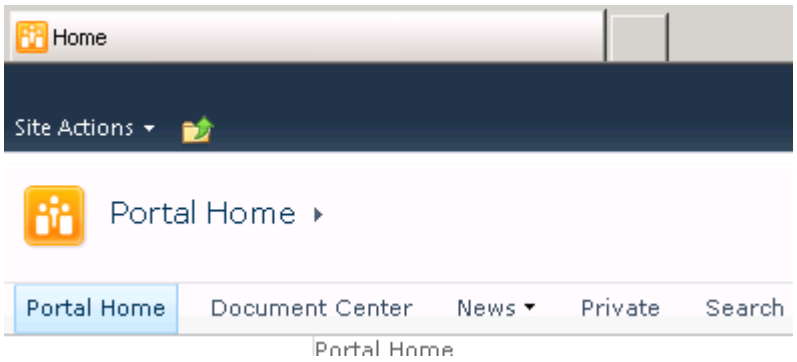
2. Run the following commands.

```
$site = Get-SPSite $siteUrl
$site.FileNotFoundUrl = "/_layouts/EIT.Custom404/Custom404Redirect.aspx"
```

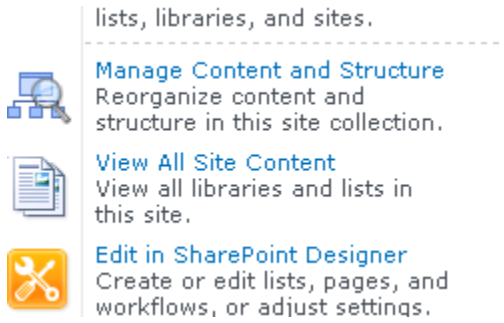
List Creation

In your SharePoint site create a list called Custom 404 using the Envision IT Custom 404 Template (activated in step 4 under configure custom 404)

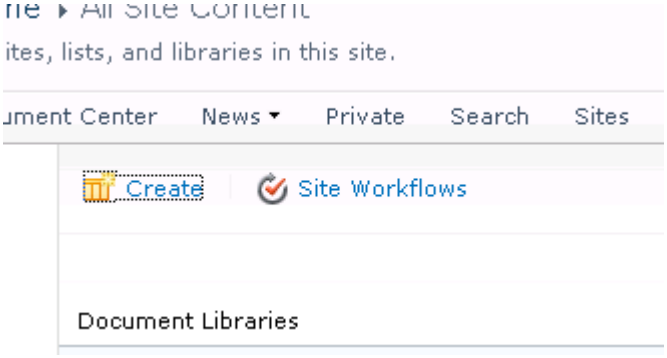
1. On your SharePoint site select “Site Actions”



2. In the site actions drop-down select “View All Site Content”

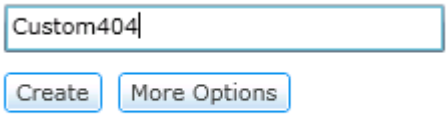


3. On the All Site Content page select “Create”

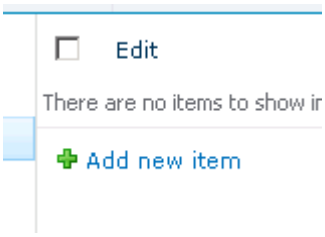


4. Select “Envision IT Custom 404 Config List”

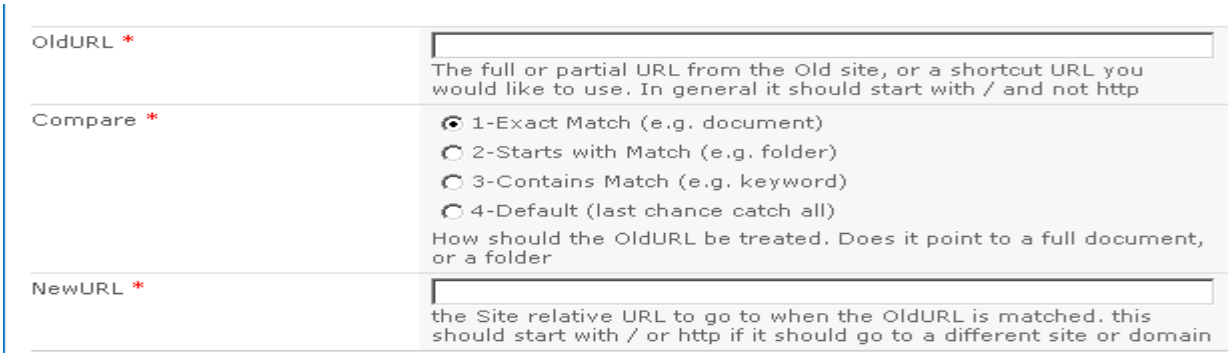
5. In the “Name” Dialog box Type Custom404 and select “Create”



6. Select “Add New Item”



7. In the New Item page you will need to type in the old URL and then select from one of four types of compare and then enter the new URL and select “Save”



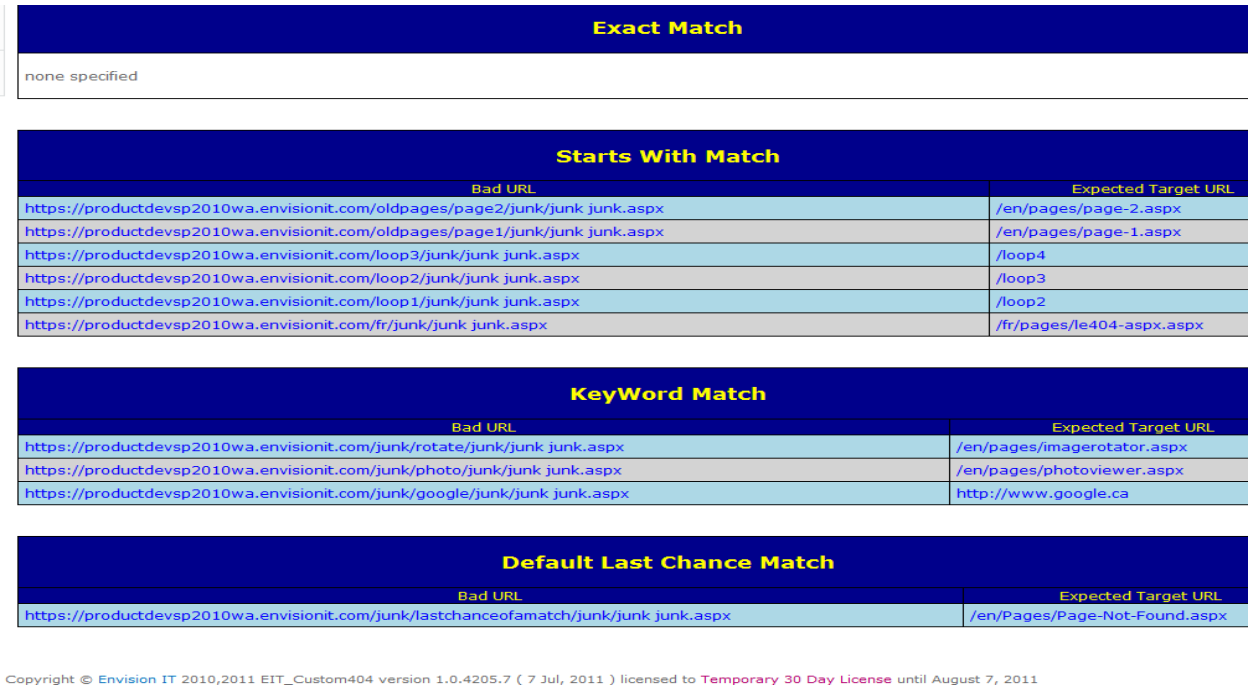
Test Page

A test page is available by typing the following into your browser

http://YOUR SERVER NAME/_Layouts/EIT.Custom404/Custom404test.aspx

You can use this page to test the URL's in the list created in the List Creation section, this will allow you to see that the Custom404 list is configured properly.

In the footer of the test page you can select the licensed to link to see details of your license including version and license expiry date.



Exact Match
none specified

Starts With Match	
Bad URL	Expected Target URL
https://productdevsp2010wa.envisionit.com/oldpages/page2/junk/junk junk.aspx	/en/pages/page-2.aspx
https://productdevsp2010wa.envisionit.com/oldpages/page1/junk/junk junk.aspx	/en/pages/page-1.aspx
https://productdevsp2010wa.envisionit.com/loop3/junk/junk junk.aspx	/loop4
https://productdevsp2010wa.envisionit.com/loop2/junk/junk junk.aspx	/loop3
https://productdevsp2010wa.envisionit.com/loop1/junk/junk junk.aspx	/loop2
https://productdevsp2010wa.envisionit.com/fr/junk/junk junk.aspx	/fr/pages/le404-aspx.aspx

KeyWord Match	
Bad URL	Expected Target URL
https://productdevsp2010wa.envisionit.com/junk/rotate/junk/junk junk.aspx	/en/pages/imagerotator.aspx
https://productdevsp2010wa.envisionit.com/junk/photo/junk/junk junk.aspx	/en/pages/photoviewer.aspx
https://productdevsp2010wa.envisionit.com/junk/google/junk/junk junk.aspx	http://www.google.ca

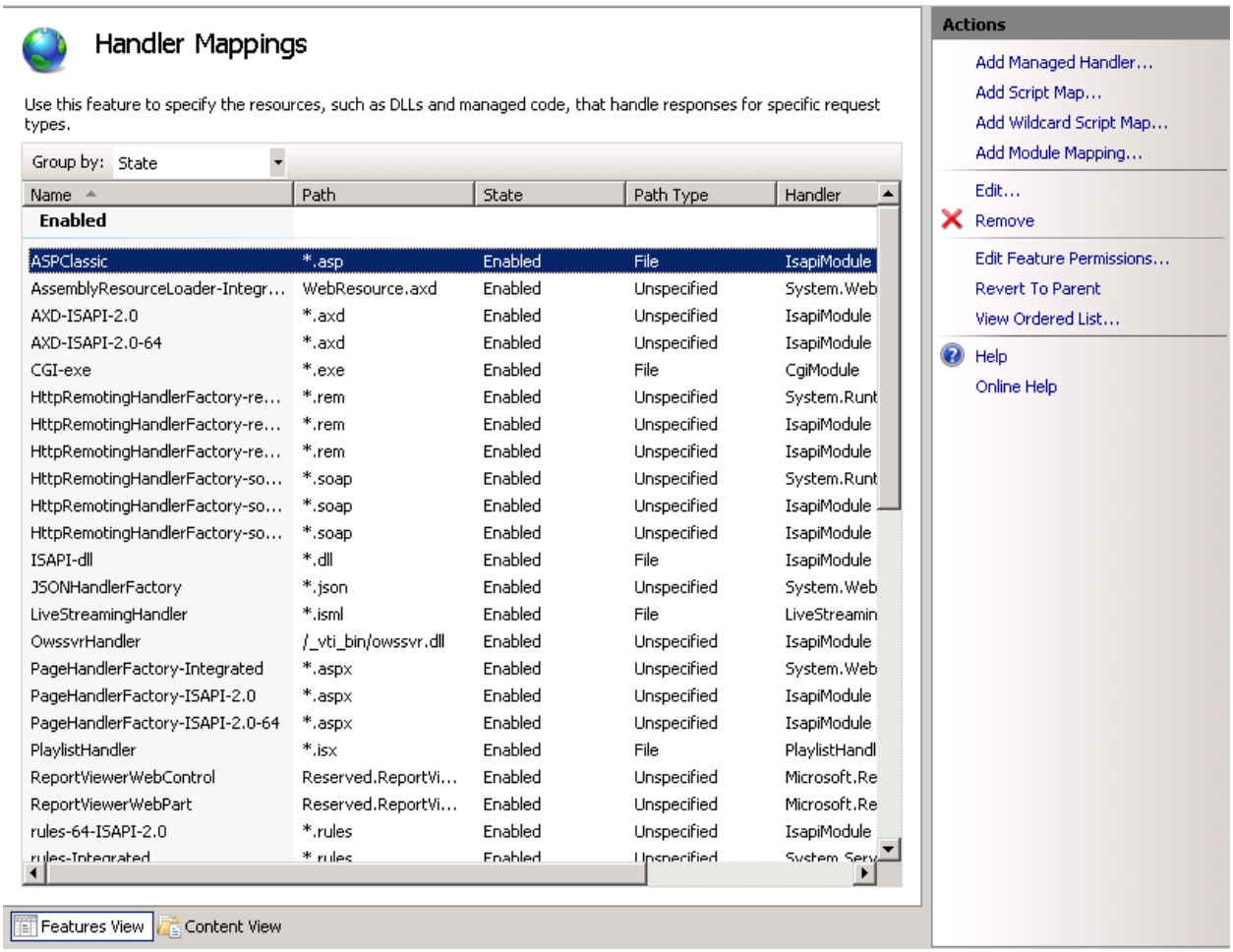
Default Last Chance Match	
Bad URL	Expected Target URL
https://productdevsp2010wa.envisionit.com/junk/lastchanceofamatch/junk/junk junk.aspx	/en/Pages/Page-Not-Found.aspx

Copyright © Envision IT 2010,2011 EIT_Custom404 version 1.0.4205.7 (7 Jul, 2011) licensed to Temporary 30 Day License until August 7, 2011

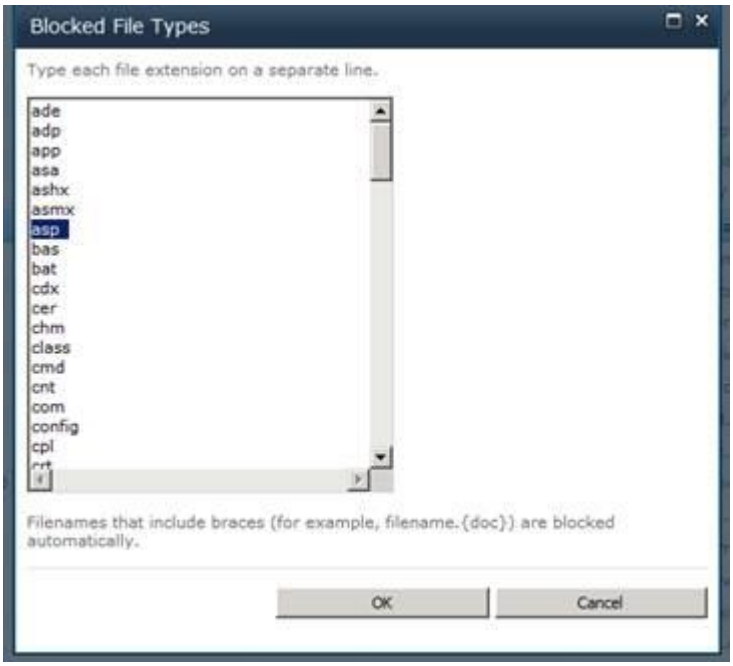
Supporting Redirects From .ASP URLs

In order for the Custom 404 module to be able to handle redirects from .asp URLs, IIS and SharePoint have to be reconfigured to allow these URLs through. There are two steps to this.

This first step is to modify each web application in IIS that will be redirecting .asp URLs. In IIS Manager, select the web application to be modified, and select Handler Mappings in the IIS section. You will see something similar to the handler mappings listed below. Highlight ASPClassic and select Remove from the Actions menu on the right. This will prevent IIS from handling .asp requests, and pass them on to SharePoint.


Handler Mappings
Use this feature to specify the resources, such as DLLs and managed code, that handle responses for specific request types.
Group by: State
Name
Path
State
Path Type
Handler
Enabled
ASPClassic *.asp Enabled File IsapiModule
AssemblyResourceLoader-Integr... WebResource.axd Enabled Unspecified System.Web
AXD-ISAPI-2.0 *.axd Enabled Unspecified IsapiModule
AXD-ISAPI-2.0-64 *.axd Enabled Unspecified IsapiModule
CGI-exe *.exe Enabled File CgiModule
HttpRemotingHandlerFactory-re... *.rem Enabled Unspecified System.Runt
HttpRemotingHandlerFactory-re... *.rem Enabled Unspecified IsapiModule
HttpRemotingHandlerFactory-re... *.rem Enabled Unspecified IsapiModule
HttpRemotingHandlerFactory-so... *.soap Enabled Unspecified System.Runt
HttpRemotingHandlerFactory-so... *.soap Enabled Unspecified IsapiModule
HttpRemotingHandlerFactory-so... *.soap Enabled Unspecified IsapiModule
ISAPI-dll *.dll Enabled File IsapiModule
JSONHandlerFactory *.json Enabled Unspecified System.Web
LiveStreamingHandler *.isml Enabled File LiveStreamin
OwssvrHandler /_vti_bin/owssvr.dll Enabled Unspecified IsapiModule
PageHandlerFactory-Integrated *.aspx Enabled Unspecified System.Web
PageHandlerFactory-ISAPI-2.0 *.aspx Enabled Unspecified IsapiModule
PageHandlerFactory-ISAPI-2.0-64 *.aspx Enabled Unspecified IsapiModule
PlaylistHandler *.isx Enabled File PlaylistHandl
ReportViewerWebControl Reserved.ReportVi... Enabled Unspecified Microsoft.Re
ReportViewerWebPart Reserved.ReportVi... Enabled Unspecified Microsoft.Re
rules-64-ISAPI-2.0 *.rules Enabled Unspecified IsapiModule
Features View
Content View
Actions
Add Managed Handler...
Add Script Map...
Add Wildcard Script Map...
Add Module Mapping...
Edit...
Remove
Edit Feature Permissions...
Revert To Parent
View Ordered List...
Help
Online Help

The second step is to go into Central Admin on the SharePoint farm, go to Security, and select Define blocked file types. Again for each web application that will be handling requests, select the web application, and remove the asp line from the list of file extensions.



Uninstall

To uninstall Custom 404 open the SharePoint Management Shell in “Run as Administrator” and type the following command

```
Uninstall-SPSolution –Identity EIT.Custom404.wsp
```

This will remove the features however it will not remove the list or the list template, these will need to be deleted manually