

RE: AppDomain won't recycle on web.config change since 1.1 to 2.0

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2007-03/msg00972.html>

- *From:* Stefan Barlow <stefanbarlow@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 8 Mar 2007 11:33:49 -0800
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- 1) Correct, the DFS has been in use for these web sites for months.
- 2) All assemblies are in the GAC. We change the version numbers referenced in the GAC on the web.config and save it.
- 3) Correct.
- 4) Correct. Does creating files / folders under a child folder cause this as well?

All assemblies are in the GAC, we do not have a /bin folder.

Thanks,

—

Stefan Barlow
MCSD.Net

"Walter Wang [MSFT]" wrote:

Hi Stefan,

Let me summarize the issue so far:

- 1) You have multiple web servers using a single DFS share (I believe you already properly configured in IIS to use this DFS share since you need a specific account to visit that DFS share)
- 2) Some assemblies used by your web application are installed in GAC; each web server has auto-update system to update them in GAC and touch web.config to cause the web application restart
- 3) This is previously working fine in ASP.NET 1.1; now you've upgraded to ASP.NET 2.0 and you found touching web.config is not causing the web application restart and even it did, some assembly will not load correctly and only restarting the AppPool could solve the problem.
- 4) You also found that in ASP.NET 2.0, creating a folder in the web site's root folder will cause the AppDomain restart and you're wondering if

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uploading image files will cause it restart too.

Let me know if I've misunderstood or missed anything.

Well, previously in ASP.NET 1.1, touching web.config, global.asax and /bin will cause AppDomain restart. Now since ASP.NET 2.0 has some special folder such as App_Code, App_Data, it now will restart the AppDomain whenever a folder is created/deleted under the root folder. This is by design in 2.0.

#If broken it is, fix it you should : ASP.NET Case Study: Lost session variables and appdomain recycles
<http://blogs.msdn.com/tess/archive/2006/08/02/asp-net-case-study-lost-session-variables-and-appdomain-recycles.aspx>

I'm not sure why touching web.config didn't cause the AppDomain restart in your case. As you described, adding a folder will cause it restart, therefore the FileSystemWatcher (internally used by ASP.NET to detect changes) should be working correctly. I'm afraid this is an environment specific scenario that needs live debugging or dump analysis to further troubleshoot the root cause, which is unfortunately not possible in newsgroup.

From the fusion log you posted, the problematic assembly is located at your /bin folder, right? Remeber that updating a file in /bin will cause the AppDomain restart.

This issue might be related to the 1.1 to 2.0 migration. Have you tried to create a brand new 2.0 web application following your deployment scenario and update an assembly used?

At last, I highly recommend you to contact our Customer Support and Service to fully troubleshooting this issue. With live debugging and dump analysis, I believe the issue will be more easier and sooner to solve.

Regards,
Walter Wang (wawang@xxxxxxxxxxxxxxxxxxxxxx, remove 'online.')
Microsoft Online Community Support

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