

Re: Modifying application folder structure results in application rest

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2008-06/msg00199.html>

- *From:* "Juan T. Llibre" <nomailreplies@xxxxxxxxxxxxx>
 - *Date:* Tue, 3 Jun 2008 14:57:02 -0400
-

re:

!> Wow, that is extensive testing...

<chuckle>

I've sweated meatballs doing that.. <g>

re:

!> Want to add to this list

!> 9. You can make 15 (by default, configurable) changes to .aspx files without

!> triggering restart. After the 15th configurable change, the application will restart.

!> It doesn't matter whether the changes are to HTML or to code that is in <script runat=server>

Thanks! Added to the list.

Juan T. Llibre, asp.net MVP

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"George Ter-Saakov" <gt-nsp@xxxxxxxxxxxxx> wrote in message
news:O4T69daxIHA.3780@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

Wow, that is extensive testing...Want to add to this list

9. You can make 15 (by default, configurable) changes to .aspx files with out triggering restart. After 15th, application will restart. Does not matter what changes to HTML or to code that is in <script runat=server>

George.

"Juan T. Llibre" <nomailreplies@xxxxxxxxxxxxx> wrote in message

Re: Modifying application folder structure results in application rest

news:%23a7DzRaxIHA.704@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

re:

!> Actually from my experience it does recycle on create/rename sub folder event in app_data.

Filesystemwatcher events are supposed to be ignored by the ASP.NET runtime.

App_Data is designed not to respond to this filesystemwatcher behavior.

Since directories are a special type of file, anyway, directory changes under App_Data aren't supposed to trigger filesystemwatcher behavior...but you're right, they do.

"ASP.NET developers know that if you create a new file , modify any file in the application root or the /bin folder, or modify web.config, this will trigger an application restart."

As a result of extensive testing, using Web Application Projects, I've found that these are the file events which trigger application restarts :

1. Adding, modifying, or deleting any source code file in any application folder (*.cs, *.vb, etc.)
2. Adding, modifying or deleting global.asax or web.config.
3. Adding, modifying or creating any assemblies in the /bin folder
4. Adding, modifying, or deleting localization resources from the App_GlobalResources or App_LocalResources folders.
5. Adding, modifying, or deleting source code files in the App_Code directory.
6. Adding, modifying, or deleting Profile configuration.
7. Adding, modifying, or deleting Web service references in the App_WebReferences directory.
- 8 Adding, renaming or deleting any directory.

*** If anybody knows of any other event which triggers an application restart, if a WAP is used, please post the info so the list can be updated. ***

Regarding "standard" web site projects, I need to do more testing, but I suspect that application restarts won't occur when a single source file is modified, unless it's located in App_Code.

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That would leave items 2–8 in the above list, eliminating only item 1.

*** If anybody has tested the website project scenario and found different behavior, please post the info so the list can be updated. ***

Juan T. Llibre, asp.net MVP
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foros de asp.net, en español : <http://asp.net.do/foros/>

=====
"George Ter–Saakov" <gt–nsp@xxxxxxxxxx> wrote in message
news:O1wNshZxIHA.4376@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Actually from my experience it does recycle on
create/rename sub folder event in app_data. Not sure about
file's
events.

George.

"bruce barker"
<brucebarker@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
news:5EB9AD27–CB4E–4D08–A85F–8A80D3E997B9@xxxxxxxxxxxxxxxxxxxx

asp.net runs a file monitor and recycles on
any change in any folder under
its vdir except app_data. you have a couple
options.

- 1) switch to fat file system that does not
support file monitoring
- 2) place the sub apps under the app_data
folder.
- 3) (most logical) do not have the /content
physical file folder under the
root app's file folder, but create the vdir
under the root.

-- bruce (sqlwork.com)

"IUnknown" wrote:

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Ok, we are all aware of the situation where modifying the folder structure (adding files, folders, deleting files, etc) will result in ASP.NET triggering a recompilation/restart of the application.

In a nutshell, I understand how this can be considered desirable by some, but I am not one of those people.

My situation is that we have a root site (hosted @ <http://www.mydomain.com>) in the root application folder '/.

This is an ASP.NET 2.0 application, running in it's own application pool. It is sporadically updated (receives about 1 production build per quarter). This site isn't allowed to be down.... ever... :)

Beneath this site, in '/content/someOtherApplication' is running an older .NET 1.1 application in a separate application pool, configured as an application in IIS.....that receives almost daily updates.

So, when a new build to /content/someOtherApplication is pushed, the root application '/' restarts as well.

Definitely a bad situation, and something I am looking

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to avoid.

Aside from telling me to put things in non-nested virtual directories (which is absolutely not an option), what can I do?

In a perfect world, I would like to simply tell ASP.NET to NOT restart the apps automagically, but I suspect there is some other means to configure this so that I can retain that 'feature' for appropriate scenarios.

Thanks in advance.