

RE: "Requested registry access is not allowed." and performance co

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<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.webservices/2006-06/msg00127.htm>

- *From:* Peter Ritchie <PRSoCo@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 23 Jun 2006 08:39:01 -0700
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Hi Luke.

I switched the aspnet_wp.exe user from ASPNET to administrator and re-tried the code. There were no exceptions (i.e. no Win32Exception with message == "invalid handle").

There were also no ACCESS DENIED reported by regmon or filemon with the aspnet_wp.exe user being ASPNET or administrator.

There are a few BUFFER OVERFLOW results from some of the performance counter registry entries though, with either user.

<http://www.peterRitchie.com/>

"Peter Ritchie" wrote:

Hi Steven. Thanks for the reply. Had a server-down situation, so it took me a couple of days to get back to this...

After some inspection with RegMon it would appear that the ASPNET account also needs full control over HKLM\System\CurrentControlSet\Services. I tried several advanced permissions options, like "this key only" and "Set Value" and "Create Subkey"; but could only get it to work if I can the ASPNET account full control over HKLM\System\CurrentControlSet\Services—which doesn't give me a warm-and-fuzzy.

Doing that gets rid of the "Requested registry access is not allowed" exception text. The process gets further, by creating the Performance-counter--related sub-keys in HKLM\System\CurrentControlSet\Services; but, PerformanceCounterCategory.Create now raises a Win32Exception with Message property equal to "The handle is invalid" or ErrorCode == 0x80004005.

<http://www.peterRitchie.com/>

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"Steven Cheng[MSFT]" wrote:

Hi Peter,

Thank you for posting here.

From your description, you're dynamically creating PerformanceCounter/Category in your ASP.NET webservice's code, however, you're encountering some security exception against the registry accessing at runtime, correct?

Based on my experience, there does exist some issues regarding on the ASP.NET identity doesn't have sufficient permission for accessing certain registry entry. For your scenario, your ASP.NET application is running on XP box, by default the ASP.NET process identity is the machine\ASPNET account, however, I'm wondering whether you've used any other security related setting in IIS or ASP.NET such as impersonation which could change the default process identity of ASP.NET. You can verify this in your web application, and here is a kb article introduce the ASP.NET process identity:

#Process and request identity in ASP.NET
<http://support.microsoft.com/?id=317012>

Also, since the security exception is still complaining about the registry, I suggest you use the regmon tool to trace the registry accessing failure, this tool is very good at capturing registry access problem:

<http://www.sysinternals.com/utilities/regmon.html>

BTW, to help make the troubleshooting simplified, I suggest you keep your ASP.NET application running as "Fulltrust" mode (this is the default mode if you haven't explicitly change the Trust level in your machine.config or web.config).

Hope this helps.

Regards,

Steven Cheng
Microsoft MSDN Online Support Lead

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