

microsoft.public.vsnet.debugging: RE: Non-Admin, ASP.NET, debug problem.

## RE: Non-Admin, ASP.NET, debug problem.

**Source:**

<http://www.tech-archive.net/Archive/VisualStudio/microsoft.public.vsnet.debugging/2004-12/0020.html>

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**Date:** 12/07/04

Date: Mon, 6 Dec 2004 20:09:02 -0800

Arthur: many thanks for your very detailed response. The articles you sent me describe several solutions to do what I wanted to do. Many thanks.

Let me share with you some other interesting discoveries. During my research to solve this, I found this article:

<http://www.codeproject.com/buglist/dbgfix.asp>

This visual studio add-in, with some minor modifications, solved my problem very well.

Now I can log on to the machine as a non-admin and remain non-admin most of the time, opening visual studio as admin only when I need to (for instance, when I need to debug ASP.NET), without logging off.

I use a very useful script called MakeMeAdmin:

[http://blogs.msdn.com/aaron\\_margosis/archive/2004/07/24/193721.aspx](http://blogs.msdn.com/aaron_margosis/archive/2004/07/24/193721.aspx)

I prefer this approach instead of

- running ASP.NET using my own unprivileged user credentials,
- OR -
- being admin all the time.

Hope you find this as helpful as I did.

Many thanks.

Claudio Pacciarini

"arthur Wang [MSFT]" wrote:

> <http://support.microsoft.com/default.aspx?scid=kb;en-us;319842>

>

> <http://support.microsoft.com/default.aspx?scid=kb;en-us;817034>

>

> *More info (case study):*

> *See the following article for more information:*

>

> *Developing Software in Visual Studio .NET with Non-Administrative Privileges*

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- > [http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dv\\_vstechar](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dv_vstechar/t/html/t_chDevelopingSoftwareInVisualStudioNETWithNon-AdministrativePrivileges.asp)
- > t/html/t
- > chDevelopingSoftwareInVisualStudioNETWithNon-AdministrativePrivileges.asp
- >
- > A) Here are some first things to check:
- > 1. Install IIS on the machine
- > a. Click Start, point to Settings, and then click Control Panel.
- > b. Double-click Add/Remove Programs, click Configure Windows, and then click
- > Components.
- > c. Follow the instructions on the screen to install, remove, or add components
- > to IIS.
- >
- > 2. Add the ASP.NET file extensions to the IIS MetaBase.
- > a. Open a command prompt (Start -> Run -> cmd)
- > b. Run the following command:
- > C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322\aspnet\_regiis.exe -i
- >
- > 3. Create the wwwroot\$ share if it is not present
- > a. Using the Windows Explorer, browse to the C:\Inetpub folder
- > b. Right click the \wwwroot folder
- > c. Select the Sharing tab
- > d. If the folder is not shared, share it and for the share name use wwwroot\$
- >
- > B) We made the following changes in DCOM:
- > Go into dcomcnfg (Select Start -> Select Run -> Type dcomcnfg -> Select OK)
- > and set
- >
- > the following up:
- >
- > 1. On the Default Properties Tab
- > a. Make sure that Enable Distributed COM on this computer is checked
- > b. Set default authorization level to Connect
- > c. Set default impersonation level to Identify
- >
- > 2. On the Default Security Tab
- > a. Edit Default for the Default Access Permissions
- > b. Add the following accounts if they are not present
- > 1. MachineName\Administrators
- > 2. MachineName\Debugger Users
- > 3. System
- > c. Edit Default for the Default Launch Permissions
- > d. Add the following accounts if they are not present
- > 1. MachineName\Administrators
- > 2. MachineName\Debugger Users
- > 3. System
- >
- > 3. On the Applications Tab, locate and select the Just-In-Time Debugging Handler

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- > *and CLR Remote Host application*
- > *a. On the General Tab, make sure that the Authentication level is set to*
- > *connect*
- > *b. On the Security Tab, select Use Custom access permissions and select*
- > *the Edit*
- > *button*
- > *c. Add the following accounts if they are not present*
- > *1. MachineName\Administrators*
- > *2. MachineName\Debugger Users*
- > *3. System*
- > *d. On the Security Tab, select Use Custom launch permissions and sleet*
- > *the Edit*
- > *button*
- > *e. Add the following accounts if they are not present*
- > *1. MachineName\Administrators*
- > *2. MachineName\Debugger Users*
- > *3. System*
- > *f. On the Identity Tab, make sure that the interactive user is selected*
- > *g. Click OK until you are back to the Distributed COM Configuration*
- > *Properties*
- > *dialog.*
- >
- > *4. On the Applications Tab, locate and select the Machine Debug Manager*
- > *application*
- > *a. On the General Tab, make sure that the Authentication level is set to*
- > *connect*
- > *b. On the Security Tab, select Use Custom access permissions and sleet*
- > *the Edit*
- > *button*
- > *c. Add the following accounts if they are not present*
- > *1. MachineName\Administrators*
- > *2. MachineName\Debugger Users*
- > *3. System*
- > *d. On the Security Tab, select Use Custom launch permissions and sleet*
- > *the Edit*
- > *button*
- > *e. Add the following accounts if they are not present*
- > *1. MachineName\Administrators*
- > *2. MachineName\Debugger Users*
- > *3. System*
- > *f. On the Identity Tab, make sure that The System Account (services*
- > *only) is*
- > *selected*
- > *g. Click OK until you are back to the Distributed COM Configuration*
- > *Properties*
- > *dialog.*
- >
- > *C) Next we gave the SeDebugPrivilege to the Debugger Users group*
- >
- > *1. Open the Local Security Policy Settings from (Control Panel ->*
- > *Administrative*

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- > *Tools -> Local Security Policy*)
- > *2. From the right-hand side select expand Local Policies*
- > *3. Select User Rights Assignments*
- > *4. Double click the Debug Programs privilege and add the Debugger Users*
- > *group*
- >
- > *D) Next we gave your <DOMAIN>\Developers group the following NTFS*
- > *permissions:*
- >
- > *1. C:\WINNT\Temp*
- > *<DOMAIN>\Developers group -> Full control*
- > *2. C:\WINNT\Microsoft.NET\Framework\v1.1.4322\CONFIG*
- > *<DOMAIN>\Developers group -> Read&Execute, List Folder Contents, Read*
- > *3. C:\WINNT\Microsoft.NET\Framework\v1.1.4322\Temporary ASP.NET Files*
- > *<DOMAIN>\Developers group -> Full control*
- > *4. C:\Inetpub*
- > *<DOMAIN>\Developers group -> Read&Execute, List Folder Contents, Read*
- > *(added)*
- > *5. C:\Inetpub\wwwroot*
- > *<DOMAIN>\Developers group -> Read&Execute, List Folder Contents, Read*
- > *(added)*
- > *6. C:\Inetpub\wwwroot\<application>*
- > *<DOMAIN>\Developers group -> Read&Execute, List Folder Contents, Read*
- > *(added)*
- >
- > *E) Next we changed the <processModel> section of the machine.config file to*
- > *run as*
- > *the user that will be logging on to the machine.*
- > *1. Open the machine.config file from the*
- > *C:\WINNT\Microsoft.NET\Framework\v1.1.4322\CONFIG folder*
- > *2. Press CTRL-F to open the Find dialog and type <process and select Find*
- > *Next*
- > *3. Change the userName attribute to be <DOMAIN>\<DomainUser>*
- > *4. Change the password attribute to be the users password.*
- >
- > *F) Next we made the following changes to the Local Security Policies:*
- > *1. Open the Local Security Policy Settings from (Control Panel ->*
- > *Administrative*
- > *Tools -> Local Security Policy)*
- > *2. From the right-hand side select expand Local Policies*
- > *3. Select User Rights Assignments*
- > *4. Add the Developers group to the following policies.*
- > *a. Access this computer from the network*
- > *b. Logon as a batch file*
- > *c. Logon as a Service*
- >
- > *G) Finally we took the following steps to ensure that the FrontPage Server*
- > *Extensions were installed correctly on the machine.*
- > *1. Configure FrontPage Server Extensions on the Default Web Site if they*
- > *are not*
- > *there.*

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- > a. *Open the IIS MMC (Start -> Run -> inetmgr)*
- > b. *Expand the tree on the left-hand side until you can see the Default*
- > *Web*
- > *Site*
- > c. *Right Click the Default Web Site*
- > d. *Select All Tasks*
- > e. *Select Configure Server Extensions*
- > f. *Follow the prompts.*
- >
- > *298158 HOW TO: Configure FrontPage Server Extensions in Internet Information*
- > *<http://support.microsoft.com/?id=298158>*
- >
- > *2. Check Server extensions on the Default web site.*
- > *272289 HOWTO: Troubleshoot Connectivity Issues in Visual InterDev 6.0*
- > *<http://support.microsoft.com/?id=272289>*
- >
- > *Check that FrontPage Server Extensions are installed properly:*
- > *FrontPage 2000 Server Extensions*
- > *Open Internet Service Manager, right-click Default Web Site (or the*
- > *appropriate Web*
- > *site), and then select All Tasks.*
- >
- > *If you see the option Configure Server Extensions, the Web site does not*
- > *have the*
- > *server extensions enabled. Choose this option to start a wizard that will*
- > *help you*
- > *to enable the server extensions.*
- >
- > *If you see the option Check Server Extensions, the Web site has the server*
- > *extensions installed. Choose this option to start a diagnostic program that*
- > *analyzes the Web site and fixes common issues.*
- >
- > *If you do not see an All Tasks item when you right-click the Web site, the*
- > *FrontPage 2000 server extensions either have not been installed on the*
- > *computer, or*
- > *the server extensions' snap-in to the Microsoft Management Console (MMC)*
- > *was not*
- > *enabled during setup.*
- >
- > *To enable the server extensions' snap-in, go to the Microsoft Internet*
- > *Information*
- > *Services (IIS) Manager, and then click Console.*
- >
- > *NOTE: If your computer is running Microsoft Windows 2000, close the IIS*
- > *Manager,*
- > *right-click the Internet Services Manager icon in the Administrators group,*
- > *and*
- > *then select Author to enable the Console menu. Click Add/Remove Snap-In*
- > *menu item.*
- > *On the Extensions tab, make sure that FrontPage Server Extensions box is*
- > *checked.*

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> \*\*\* *Resolution* \*\*\*

>

> *To resolve this we made the following changes to your web server*

> *Run the DCOM Configuration Manager*

> *1. On the Default Properties Tab*

> *a. Make sure that Enable Distributed COM on this computer is checked*

> *b. Set default authorization level to Connect*

> *c. Set default impersonation level to Identify*

>

> *2. On the Default Security Tab*

> *a. Edit Default for the Default Access Permissions*

> *b. Add the following accounts if they are not present*

> *1. MachineName\Administrators*

> *2. MachineName\Debugger Users*

> *3. System*

> *c. Edit Default for the Default Launch Permissions*

> *d. Add the following accounts if they are not present*

> *1. MachineName\Administrators*

> *2. MachineName\Debugger Users*

> *3. System*

> *4. Interactive*

> *5. IWAM\_MachineName*

> *6. IURS\_MachineName*

>

> *3. On the Applications Tab, locate and select the Just-In-Time Debugging*

> *Handler*

> *and CLR Remote Host application*

> *a. On the General Tab, make sure that the Authentication level is set to*

> *connect*

> *b. On the Security Tab, select Use Custom access permissions and select*

> *the Edit*

> *button*

> *c. Add the following accounts if they are not present*

> *1. MachineName\Administrators*

> *2. MachineName\Debugger Users*

> *3. System*

> *d. On the Security Tab, select Use Custom launch permissions and select*

> *the Edit*

> *button*

> *e. Add the following accounts if they are not present*

> *1. MachineName\Administrators*

> *2. MachineName\Debugger Users*

> *3. System*

> *f. On the Identity Tab, make sure that The interactive user is selected*

> *g. Click OK until you are back to the Distributed COM Configuration*

> *Properties*

> *dialog.*

>

> *4. On the Applications Tab, locate and select the Machine Debug Manager*

> *application*

> *a. On the General Tab, make sure that the Authentication level is set to*

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> connect  
> b. On the Security Tab, select Use Custom access permissions and select  
> the Edit  
> button  
> c. Add the following accounts if they are not present  
> 1. MachineName\Administrators  
> 2. MachineName\Debugger Users  
> 3. System  
> d. On the Security Tab, select Use Custom launch permissions and select  
> the Edit  
> button  
> e. Add the following accounts if they are not present  
> 1. MachineName\Administrators  
> 2. MachineName\Debugger Users  
> 3. System  
> f. On the Identity Tab, make sure that The System Account (services  
> only) is  
> selected  
> g. Click OK until you are back to the Distributed COM Configuration  
> Properties  
> dialog.  
> h. Click OK and restart your machine.  
>  
> Ensure that the FrontPage Server Extensions have been configured on the  
> application  
> that you want to debug.  
> 1. Select Start -> Run -> inetmgr  
> 2. Locate the application in question  
> 3. Right click and select All Tasks  
> 4. Select Configure Server Extensions or Check Server Extensions  
>  
> Because you are debugging on a Domain Controller, make the following change  
> to your  
> machine.config file (located in  
> C:\WINNT\Microsoft.NET\Framework\v1.1.4322\CONFIG)  
> 1. Search for the <processModel> tag  
> 2. Set the userName attribute to SYSTEM  
> 3. Save the file  
> 4. Select Start -> Run -> iisreset  
>  
>  
> -----  
> >Thread-Topic: Non-Admin, ASP.NET, debug problem.  
> >thread-index: AcTXusOk7upGrk8bTAWB9yrH6bXRDQ==  
> >X-WBNR-Posting-Host: 216.68.140.162  
> >From: =?Utf-8?B?Q2xhdWRpbyBQYWVjaWFyaW5p?=  
> <ClaudioPacciarini@discussions.microsoft.com>  
> >Subject: Non-Admin, ASP.NET, debug problem.  
> >Date: Wed, 1 Dec 2004 07:31:01 -0800  
> >Lines: 29  
> >Message-ID: <2BEE0941-5C5E-49CF-8ADF-51446D0E2C90@microsoft.com>

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> >MIME-Version: 1.0  
> >Content-Type: text/plain;  
> > charset="Utf-8"  
> >Content-Transfer-Encoding: 7bit  
> >X-Newsreader: Microsoft CDO for Windows 2000  
> >Content-Class: urn:content-classes:message  
> >Importance: normal  
> >Priority: normal  
> >X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.0  
> >Newsgroups: microsoft.public.vsnet.debugging  
> >NNTP-Posting-Host: TK2MSFTNGXA03.phx.gbl 10.40.1.29  
> >Path: cpmsftngxa10.phx.gbl!TK2MSFTNGXA03.phx.gbl  
> >Xref: cpmsftngxa10.phx.gbl microsoft.public.vsnet.debugging:6730  
> >X-Tomcat-NG: microsoft.public.vsnet.debugging  
> >  
> >I log on to my machine as a normal, non-admin user. To debug ASP.NET  
> >applications, I need to be member of the administrators group. So I launch  
> >VS.NET as local administrator using runas.  
> >  
> >Everything works fine until I try to debug the ASP.NET app. The problem is  
> >that when I start debugging the web application, Internet Explorer does  
> >not  
> >appear.  
> >  
> >But Internet Explorer is started, I can see it in the Task Manager Process  
> >List (running as my admin user). Seems to me that VS starts it  
> >non-interactively.  
> >  
> >How can I solve this? I hate the idea of logging on as an administrator  
> >and  
> >run everything as admin just because of this.  
> >  
> >My machine is XP Pro SP2, part of a Windows Server 2003 domain; both my  
> >non-admin and admin user accounts are part of "VS Developers" and  
> >"Debugger  
> >Users" groups.  
> >  
> >Many thanks.  
> >  
> >Claudio Pacciarini  
> >  
> >PS: In the following link, I thought I found the solution to this problem  
> >but it didn't work for me and for others. Any clues?  
> >  
> ><http://www.codeproject.com/buglist/dbgfix.asp?df=100>  
> >  
> >  
> >  
> >  
> >  
> >

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