

RE: Writing to a network share

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.dotnet.security/2004-04/0190.html>

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Date: Thu, 22 Apr 2004 23:37:00 GMT

So if I understand you correctly, Machine C accesses Machine A which tries to update the database on Machine B? If this is the case you're probably running into the "double hop" issue, where impersonation will not work across two network hops. I'd recommend checking out the microsoft.public.dotnet.aspnet.security newsgroup, to confirm this is the issue, and get some workarounds (I believe there is an Active Directory setting that will enable double hop impersonation).

-Shawn

http://blogs.msdn.com/shawnf_a

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Note: For the benefit of the community-at-large, all responses to this message are best directed originated.

>Thread-Topic: Writing to a network share
>thread-index: AcQoeqN93X90836nRhiJlIg5eun86Q==
>X-WN-Post: microsoft.public.dotnet.security
>From: "=?Utf-8?B?VHlsZXIgrGF2ZXk=?" <anonymous@discussions.microsoft.com>
>Subject: Writing to a network share
>Date: Thu, 22 Apr 2004 08:01:06 -0700
>Lines: 40
>Message-ID: <3D30486B-6C65-4C20-BE47-829447EEA828@microsoft.com>
>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.dotnet.security
>Path: cpmsftngxa10.phx.gbl
>Xref: cpmsftngxa10.phx.gbl microsoft.public.dotnet.security:5818
>NNTP-Posting-Host: tk2msftcmt1.phx.gbl 10.40.1.180
>X-Tomcat-NG: microsoft.public.dotnet.security
>

>Alright, I've been trying to figure out the solution to this problem for a few days and I'm offi
My web app server, Machine A, needs the ability to create a file(xml) on my db server, Machine B.
invokes a business object through an ASP.net page. Now, if I do this on the app server (ie, log
another client machine, Machine C, I get the beautiful error message:
Access to path \\machineb\log\log.xml is denied.

microsoft.public.dotnet.security: RE: Writing to a network share

<code>

Description: An unhandled exception occurred during the execution of the current web request. Please check the error log for more information about the error and where it originated in the code.

Exception Details: System.UnauthorizedAccessException: Access to the path "\\orchard\Log\test.xml" is denied. ASP.NET is not authorized to access the requested resource. Consider granting access rights to the ASP.NET account. ASP.NET has a base process identity (typically {MACHINE}\ASPNET on IIS 5 or Network Service on IIS 6) which is not impersonating. If the application is impersonating via <identity impersonate="true"/>, the identity must be that of a user account (IUSR_MACHINENAME) or the authenticated request user.

To grant ASP.NET write access to a file, right-click the file in Explorer, choose "Properties" and "Sharing" tab. Grant appropriate user or group. Highlight the ASP.NET account, and check the boxes for the desired access permissions.
</code>

Now, here is what I've done:

I've given full control to the directory on the network share to everyone

I've changed machine.config process model to the SYSTEM account. When that didn't work, I changed the process model to the SYSTEM account and gave the ASP.NET account admin rights on the network.

I've tried mucking around with the Internet zone permissions and Intranet zone permissions through the Internet Options dialog, but no luck

We've set the asp.net service to log on as a local system account, network system account, my domain account, still no luck

My code is very simple:

<code>

```
private void Button1_Click(object sender, System.EventArgs e)
{
    XmlTextWriter writer = new XmlTextWriter(@"\\machinea\Log\log.xml", Encoding.UTF8);
    writer.WriteStartDocument();
    writer.WriteStartElement("DATA");
    writer.WriteElementString("TEST", "Is this going to work");
    writer.WriteEndElement();
    writer.WriteEndDocument();
    writer.Close();
}
```

</code>

So, what am I missing?

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