

Re: Active Directory and SQL Server Connection

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2005-08/msg00557.html>

- *From:* "Sahil Malik [MVP]" <contactmethrumblog@xxxxxxxxxxx>
 - *Date:* Thu, 11 Aug 2005 16:32:30 -0400
-

You need to switch identities by using the `WindowsIdentity` class in the .NET framework.

The bigger problem though is, `SqlConnection` doesn't expose an instance of `WindowsIdentity`. Actually it's not so much of an issue, because you really need to impersonate and you can get the new identity easily using a class such as (I think) `System.Net.NetworkIdentity` (I think).

So say for instance, in your postback in your `page_load`, you could have code that looks like as below –

```
WindowsIdentity userIdentity = // Get the new identity here ;
WindowsImpersonationContext impContext = userIdentity.Impersonate();
// Then do your regular SqlConnection stuff using this
switched/impersonated identity.
```

This requires that you are in a Kerberos friendly network, which it appears that you are.

Under the scenes basically when you impersonate, your web application would get a kerberos service ticket on the behalf of the impersonated user, which the `SqlServer` will recognize. This way, delegation will work the way you intend to make it work. This "ticket" based kerberos architecture is necessary because passwords are usually never sent clear text, so if you know my password, and I know my password, I hash it (one way encryption), and we compare hashes. The problem is, the third machine that neither has my password, nor my password's hash, will not be able to authenticate me – this third machine in this case is the `Sql Server`, and the first two machines are the machines the browser is running on, and the machine `IIS` is running on.

– Sahil Malik [MVP]
ADO.NET 2.0 book –
<http://codebetter.com/blogs/sahil.malik/archive/2005/05/13/63199.aspx>

Re: Active Directory and SQL Server Connection

"Lyners" <Lyners@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:0A9B7DA5-965F-4E43-865B-1DF4B92724D8@xxxxxxxxxxxxxxxxxxxx
> We have 2 servers running Windows 2003. One is the IIS server the other is
a
> SQL server. We made a web page that gets the using users name through
their
> logon from active directory. We then query the SQL server looking for
> information about the user. Our problem, when we have anonymous access
turned
> off and integration turned on, we get a login failed, not trusted
connection.
> If we add an anonymous user from the domain that has access to the SQL
> server, we get data, but of the anonymous user, not the using client. It
> appears once we post to the server, the anonymous access takes over and
> everything is geared to that user ID.
>
> How do we do both?
>
> Thanks

- **Follow-Ups:**

- ◆ **[Re: Active Directory and SQL Server Connection](#)**
◇ From: Lyners

- **References:**

- ◆ **[Active Directory and SQL Server Connection](#)**
◇ From: Lyners

- Prev by Date: **[Re: Using a Parameterized SelectCommand with OleDbDataAdapter](#)**
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