

## Re: ASP.NET + SQL Server Windows authentication

**Source:** <http://www.derkeiler.com/Newsgroups/microsoft.public.sqlserver.security/2003-08/0541.html>

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**From:** Sherif ElMetainy (*elmeteny\_at\_wayout.net*)

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Things that you have to check are:

1- What is the account the webserver is using? in asp.net using default configuration (no impersonation), it is ASPNET, it can be the IUSR\_MachineName account, or any other account.

in asp.net you can easily find out with this code

```
Response.Write(System.Security.Principal.WindowsIdentity.GetCurrent().Name);
```

to change the username underwhich the code executes for asp.net change the <identity> in machine.config

2- Is this account a local account or a domain account?

If it is a domain account, then check that in the SQL server security that the is permitted to access the server, and has access to the its default database (or the database specified in the connection string).

If it is a local account, then use a domain account.

If there is no domain, then the username and password for the local account must be valid on the database server, ie the same username and password on both machines, I think when ASPNET account is created a random password is generated for it. so the password is not the same for both machines, and changing the ASPNET account password is not recommended.

In all cases make sure that the account has access to SQL Server.

"Lior Amar" <lior\_amar@hotmail.com> wrote in message  
news:uHPZbT#aDHA.2928@tk2msftngp13.phx.gbl...

> Hey All,

>

> Trying to understand why I can not get SQL server to trust my IIS server.

I

> have two machines set up, 1 App and 1 DB, and I'm trying to validate the

> applications access to the DB server via NT Authentication. The App comes

in

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> via NTLM which from my understanding only supports Single hop security  
> delegation. So far I understand why it doesn't work, although seems to me  
> like a very bad problem. Now, Basic Authentication will transfer the PW  
and

> the UID which will allow IIS to login to the DB server and then NT  
> Authentication will work. But we all know how non-secure Basic  
> Authentication is.

>

> Here's the confusion, if Kerberos permits token transferring with no  
> limitation why can't IIS receive a token via NTLM and transfer it to the  
DB

> server?

>

> I've been reading all of these articles

>

>

[http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vbcon/html/](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vbcon/html/vbconaccessingsqlserverfromwebapplication.asp)

> [vbconaccessingsqlserverfromwebapplication.asp](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vbcon/html/vbconaccessingsqlserverfromwebapplication.asp)

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[http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vbcon/html/](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vbcon/html/vbtskaccessingsqlserverusingwindowsintegratedsecurity.asp)

> [vbtscaccessingsqlserverusingwindowsintegratedsecurity.asp](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/vbcon/html/vbtskaccessingsqlserverusingwindowsintegratedsecurity.asp)

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[http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnauth/html/](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnauth/html/dnauth_security.asp)

> [/dnauth\\_security.asp](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnauth/html/dnauth_security.asp)

>

[http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnauth/html/](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnauth/html/signfaq.asp)

> [/signfaq.asp](http://msdn.microsoft.com/library/default.asp?url=/library/en-us/dnauth/html/signfaq.asp)

> <http://support.microsoft.com/default.aspx?scid=kb;en-us:Q176377>

>

> and a bunch of other documents and they all come down to two valid  
> solutions: Basic Authentication or SQL Users. These are only valid if the  
> level of security you wish to achieve is not something that needs to pass

a

> certain level of security (would not pass in industries that require  
maximum

> security).

>

> If I am bound to NT Authentication, is my only option Basic Authentication  
> (of course under SSL)? And why is it that we don't have these problems  
with

> other Database vendors? Is there any way we can utilize ADSI to get the  
> users NTLM credentials to pass on to SQL server?

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> Any help or suggestions will be very appreciated.

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> Thank you,

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