

Security context issue (weird behavior)

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Hi, I have a problem I have not been able to solve and after reading a lot on msdn an on the web I'm not sure what might be causing it. I have IIS 5.1 running on windows XP SP2 (I'll use windows 2003 server once I figure out how to make it work) and SQL Server 2000 running on Windows 2003 server. Both machines are on the same domain. The SQL Server is setup to use mix mode authentication. I have a virtual directory setup on IIS, and uncheck everything on the security tab except the Integrated Windows authentication Option, since I want to use a group to grant access to the virtual directory to certain users. Also, I need to use Integrated Windows authentication since I need to determine the user account that is accesing the virtual directory. The users have a domain account. The pages are developed on asp (not asp.net). I'm using a SQL account to log in to the SQL Server. The SQL server, as I mentioned before, is setup to mixed mode. If I see the pages on the same machine where I have installed the IIS everything works fine. The page displays my user id and I'm able to log in to the Sql Server with the SQL account. To log in to the SQL server I use an ADO connection. The ADO connection string I'm using is this one:

```
"Provider=SQLOLEDB.1;" & _  
"Trusted_Connection=false;" & _  
"Data Source=SQLServer;" & _  
"Initial Catalog=DB;" & _  
"User ID=User;" & _  
"Password=Password;"
```

If I try to view the pages on another computer on the network I'm able to access the pages, but the asp page throws an error on the line that opens the connection. The error I get on the web page is that the user User could not log in, because there is no trusted connection. I've used the same user logged in the machine on both scenarios. I have also tried with other users and got the same error.

I have an idea of what could be the problem. I think the connection to the SQL Server is being made on the security context of the account running the IIS service, which is the System Account. I think this, because I've disabled anonymous access and the IIS server can't delegate the information from the user. Since it's running on the security context of the System account, it

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can't be validated by the SQL Server, eventhough I'm using a SQL account on the connection string.

I tried to view the pages from another machine with the anonymous access enabled (IUSR_MachineName), but got the same result. I've also tried to run the virtual directory using anonymous access with my domain account, but got the same result.

After the unsuccessful tries I decided to create a local account on both machines, with the same username and password. Set up the anonymous access on the virtual directory, using that local account, and finally was able to log in to the SQL Server with the SQL account. But, on this scenario I cannot determine the user Id of the person viewing the page.

I tried using ODBC and DSN in the connection string but got the same result: could not establish the connection because there is no trusted connection.

I have no access to the Active Directory console.

For what I've read I thought that by using a SQL server account on the connection string I would be able to connect, since SQL server would be in charge of the authorization between IIS and SQL. And IIS would take care of the authorization between the client machine viewing the pages and the virtual directory, but I think I was wrong.

Any help would be very appreciated, since I can't find a way out.
Thanks in advance.

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