

Re: Forms Authentication with Active Directory, login control crashes

Source: <http://www.derkeiler.com/Newsgroups/microsoft.public.dotnet.security/2006-11/msg00019.html>

- *From:* "Joe Kaplan" <joseph.e.kaplan@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 4 Nov 2006 13:46:51 -0600
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This is an evil error message that comes from the Windows subsystem when LDAP attempts to use SSPI to do a secure bind to the server. The "local error" typically occurs (when I've seen it) when there is an issue with Kerberos. That often happens when DNS is hosed.

Do you have any strange errors from Kerberos in the system event log or any other funny failure messages in the security log (make sure logon auditing enabled) that says something like "the target principal name is incorrect" or something like that?

Joe K.

—
Joe Kaplan—MS MVP Directory Services Programming
Co—author of "The .NET Developer's Guide to Directory Services Programming"
<http://www.directoryprogramming.net>
—

"etierra" <etierra@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:9C2922CE-B9AC-47C2-A890-9866814D6A09@xxxxxxxxxxxxxxxxxxxxx

Hi,

I'm developing an ASP.net 2.0 application that use Forms Authentication. I'm using the login control that came with V.S. 2005. I configured my web.config to use Active Directory Membership/Authentication. Everything works fine. I can login using the correct username and password, and if you login with incorrect user name, it displays a message saying "Your login attempt was not successful. Please try again" which is expected. But the problem is, if I login with correct username but incorrect password, the application throws an exception (please see the server error message below). I can't find the solution to fix this problem, or at least be able to catch the exception so that I can display a friendly and helpful message to

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the user. I have tried everything, spent long nights finding the answer but can't seem to make this work. Any ideas or thoughts would be much appreciated

Thanks in advance.

Edwin Tierra

This is the content of web.config that is related to security/login:

```
<connectionStrings>
<add name="ADConnectionString"
connectionString=LDAP://ads-server.mydomain.net/DC=mydomain.DC=net />
<add name="MyASPNETDBConnectionString" connectionString="Data
Source=myDBServer;Initial Catalog=ASPNETDB;Integrated Security=True"
providerName="System.Data.SqlClient"/>
</connectionStrings>
<authorization>
<allow roles="sysadmin" />
<allow roles="projadmin" />
<allow roles="managers" />
<deny users="?" />
</authorization>
<authentication mode="Forms">
<forms name=".ADAuthCookie" defaultUrl="default.aspx" timeout="30"
domain="" />
</authentication>
<roleManager enabled="true" defaultProvider="CustomizedRoleProvider"
cookieTimeout="30" cookieSlidingExpiration="true">
<providers>
<add connectionStringName="MyASPNETDBConnectionString"
name="CustomizedRoleProvider"
type="System.Web.Security.SqlRoleProvider"
applicationName="/PMS.Net"/>
</providers>
</roleManager>
<membership defaultProvider="MyADMembershipProvider">
<providers>
<add connectionStringName="ADConnectionString"
applicationName="/PMS.Net"
connectionUsername="mydomain\administrator"
connectionPassword="password"
attributeMapUsername="sAMAccountName"
enableSearchMethods="true"
name="MyADMembershipProvider"
type="System.Web.Security.ActiveDirectoryMembershipProvider, System.Web,
Version=2.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a" />
</providers>
</membership>
```

This is the error message that I get when the application crashes:
Server Error in '/' Application.

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A local error occurred.

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

Exception Details: System.DirectoryServices.Protocols.LdapException: A local error occurred.

Source Error:

An unhandled exception was generated during the execution of the current web request. Information regarding the origin and location of the exception can be identified using the exception stack trace below.

Stack Trace:

```
[LdapException: A local error occurred.]
System.DirectoryServices.Protocols.LdapConnection.BindHelper(NetworkCredential
newCredential, Boolean needSetCredential) +990
System.DirectoryServices.Protocols.LdapConnection.Bind(NetworkCredential
newCredential) +6
System.Web.Security.ActiveDirectoryMembershipProvider.ValidateCredentials(String
username, String password) +221
System.Web.Security.ActiveDirectoryMembershipProvider.ValidateUserCore(String
username, String password) +1180
System.Web.Security.ActiveDirectoryMembershipProvider.ValidateUser(String
username, String password) +15
System.Web.UI.WebControls.Login.OnAuthenticate(AuthenticateEventArgs e)
+160
System.Web.UI.WebControls.Login.AttemptLogin() +105
System.Web.UI.WebControls.Login.OnBubbleEvent(Object source, EventArgs e)
+99
System.Web.UI.Control.RaiseBubbleEvent(Object source, EventArgs args) +35
System.Web.UI.WebControls.Button.OnCommand(CommandEventArgs e) +115
System.Web.UI.WebControls.Button.RaisePostBackEvent(String eventArgument)
+163
System.Web.UI.WebControls.Button.System.Web.UI.IPostBackEventHandler.RaisePostBackEvent(String
eventArgument) +7
System.Web.UI.Page.RaisePostBackEvent(IPostBackEventHandler sourceControl,
String eventArgument) +11
System.Web.UI.Page.RaisePostBackEvent(NameValueCollection postData) +33
System.Web.UI.Page.ProcessRequestMain(Boolean
includeStagesBeforeAsyncPoint,
Boolean includeStagesAfterAsyncPoint) +5102
```

Version Information: Microsoft .NET Framework Version:2.0.50727.42;

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ASP.NET

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