

# asp.net sqlmembershipprovider integrated security

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.aspnet/2008-04/msg02127.html>

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  - *Date:* Mon, 28 Apr 2008 10:42:00 -0400
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Hi all,

I've been debating for a while (basically since asp.net 2.0 came out) on using the built in membership classes to handle user management in my web apps. I seem to keep coming upon roadblocks that keep me from jumping in. Well this time is no different. While trying to use an asp.net sqlmembershipprovider to create a new user, I get the following error:

Server Error in '/' Application.

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Login failed for user 'DOMAIN\MACHINENAME\$'.

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.Data.SqlClient.SqlException: Login failed for user 'DOMAIN\MACHINENAME\$'.

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:

```
[SqlException (0x80131904): Login failed for user 'DOMAIN\MACHINENAME$'.]  
System.Data.SqlClient.SqlInternalConnection.OnError(SqlException  
exception, Boolean breakConnection) +739123  
System.Data.SqlClient.TdsParser.ThrowExceptionAndWarning(TdsParserStateObject  
stateObj) +188  
System.Data.SqlClient.TdsParser.Run(RunBehavior runBehavior, SqlCommand  
cmdHandler, SqlDataReader dataStream, BulkCopySimpleResultSet  
bulkCopyHandler, TdsParserStateObject stateObj) +1956  
System.Data.SqlClient.SqlInternalConnectionTds.CompleteLogin(Boolean  
enlistOK) +33  
System.Data.SqlClient.SqlInternalConnectionTds.AttemptOneLogin(ServerInfo
```

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serverInfo, String newPassword, Boolean ignoreSniOpenTimeout, Int64 timerExpire, SqlConnection owningObject) +170

System.Data.SqlClient.SqlInternalConnectionTds.LoginNoFailover(String host, String newPassword, Boolean redirectedUserInstance, SqlConnection owningObject, SqlConnectionString connectionOptions, Int64 timerStart) +349

System.Data.SqlClient.SqlInternalConnectionTds.OpenLoginEnlist(SqlConnection owningObject, SqlConnectionString connectionOptions, String newPassword, Boolean redirectedUserInstance) +181

System.Data.SqlClient.SqlInternalConnectionTds..ctor(DbConnectionPoolIdentity identity, SqlConnectionString connectionOptions, Object providerInfo, String newPassword, SqlConnection owningObject, Boolean redirectedUserInstance) +170

System.Data.SqlClient.SqlConnectionFactory.CreateConnection(DbConnectionOptions options, Object poolGroupProviderInfo, DbConnectionPool pool, DbConnection owningConnection) +359

System.Data.ProviderBase.DbConnectionFactory.CreatePooledConnection(DbConnection owningConnection, DbConnectionPool pool, DbConnectionOptions options) +28

System.Data.ProviderBase.DbConnectionPool.CreateObject(DbConnection owningObject) +424

System.Data.ProviderBase.DbConnectionPool.UserCreateRequest(DbConnection owningObject) +66

System.Data.ProviderBase.DbConnectionPool.GetConnection(DbConnection owningObject) +496

System.Data.ProviderBase.DbConnectionFactory.GetConnection(DbConnection owningConnection) +82

System.Data.ProviderBase.DbConnectionClosed.OpenConnection(DbConnection outerConnection, DbConnectionFactory connectionFactory) +105

System.Data.SqlClient.SqlConnection.Open() +111

System.Web.DataAccess.SqlConnectionHolder.Open(HttpContext context, Boolean revertImpersonate) +84

System.Web.DataAccess.SqlConnectionHelper.GetConnection(String connectionString, Boolean revertImpersonation) +197

System.Web.Security.SqlMembershipProvider.GetPasswordWithFormat(String username, Boolean updateLastLoginActivityDate, Int32& status, String& password, Int32& passwordFormat, String& passwordSalt, Int32& failedPasswordAttemptCount, Int32& failedPasswordAnswerAttemptCount, Boolean& isApproved, DateTime& lastLoginDate, DateTime& lastActivityDate) +1121

System.Web.Security.SqlMembershipProvider.CheckPassword(String username, String password, Boolean updateLastLoginActivityDate, Boolean failIfNotApproved, String& salt, Int32& passwordFormat) +105

System.Web.Security.SqlMembershipProvider.CheckPassword(String username, String password, Boolean updateLastLoginActivityDate, Boolean failIfNotApproved) +42

System.Web.Security.SqlMembershipProvider.ValidateUser(String username, String password) +83

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

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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

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Version Information: Microsoft .NET Framework Version:2.0.50727.832; ASP.NET  
Version:2.0.50727.832

Here's my configuration situation. I'm running .net 2.0 and sql server 2005. I'm using integrated security in my connection string similar to "Data Source=SERVER;Initial Catalog=DATABASE;Trusted\_Connection=True;". The applicaiton in IIS is running as a network level user that has db\_owner access to the database in the connection string. The user is impersonated in the web.config using "<identity impersonate='true'>". The rest of the database access on the site works fine using the same connection string. I only get the error above when trying to do the membership functionality. It almost looks like when I use the classes that it drops the anonymous user and goes back to using a machine level account.

Any help would be greatly appreciated.

Thanks,  
Matt