

RE: ActiveDirectory and user page Access

Source:

<http://www.tech-archive.net/Archive/VisualStudio/microsoft.public.vsnnet.general/2008-12/msg00016.html>

- *From:* Alex. O. Koranteng <AlexK@xxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 3 Dec 2008 10:25:01 -0800
-

I think it will be easier to WindowsTokenRole diectory with AD membership an use Windows integrated authentication and avoid the extra layer of installing Azman. From the code you just gave can you please revised it to use windows integrated security. I really appreciate your help soo far and if you email me this at your earliest convenience. Also, do I I have to use the security admin tool to add the the users and their roles or it is all done if I am using windows integrated security.

Thanks

""Hongye Sun [MSFT]"" wrote:

Hi Alex,

Thanks for your reply.

Now I have understood your scenario. In my opinion, the easiest way is using WindowsTokenRoleProvider, since you are going to use AD memberships and roles (Like Domain\Administrators). However, the provider is target to Windows Integrated Authentication instead of Form. Is it possible for you to change authentication type to Windows?

If Form authentication is a must requirement, only AuthorizationStoreRoleProvider in those 3 providers works for this scenario. According to <http://msdn.microsoft.com/en-us/library/aa478950.aspx>, it says that: " the fact that GetClientContext abstracts the authentication type means that AuthorizationStoreRoleProvider works equally well with Windows authentication and forms authentication. "

The basic idea of AuthorizationStoreRoleProvider is that it connect ASP.net role manager with Authorization Manager (AzMan) tool, which is included in W2k03 Administration Tools Pack. AzMan gets role information from AzMan policy store, which can be configured from XML file, Active Directory and ADAM. Apparently, we should configure it from AD in this case.

To do this job, please follow the steps below:

RE: ActiveDirectory and user page Access

1. Install AzMan

Please follow the link you have mentioned before:

http://msdn.microsoft.com/en-us/library/ms998336.aspx#paght000019_rtf%20formating_step1 to install windows updates or download Windows Server 2003 Administration Tools Pack.

2. Create an authorization store

Follow this link: <http://technet.microsoft.com/en-us/library/cc737065.aspx>

Create an authorization store in Active Directory.

3. Configure ActiveDirectoryMembershipProvider and AuthorizationStoreRoleProvider in web.config file

```
-----
<connectionStrings>
<add name="ADConnectionString"
connectionString="LDAP://server/DC=domain,DC=com"/>
<add name="AzManPolicyStoreConnectionString"
connectionString="LDAP://server/CN=UserStore,DC=domain,DC=com"/>
</connectionStrings>

<system.web>

<membership defaultProvider="MembershipADProvider">
<providers>
<add name="MembershipADProvider"
type="System.Web.Security.ActiveDirectoryMembershipProvider"
connectionStringName="ADConnectionString"
connectionUsername="username"
connectionPassword="password"/>
</providers>
</membership>

<roleManager
enabled="true"
cacheRolesInCookie="true"
defaultProvider="ActiveDirectory"
cookieName=".ASPXROLES"
cookiePath="/"
cookieTimeout="30"
cookieRequireSSL="false"
cookieSlidingExpiration="true"
createPersistentCookie="false"
cookieProtection="All">

<providers>
<add name="ActiveDirectory"
type="System.Web.Security.AuthorizationStoreRoleProvider"
connectionStringName="AzManPolicyStoreConnectionString"
/>
</providers>
```

```
</roleManager>

<authentication mode="Forms">
<forms loginUrl="Login.aspx"
protection="All"
timeout="30"
name="MyCookie"
requireSSL="false"
defaultUrl="Default2.aspx"
/>
</authentication>

<authorization>
<allow roles="MyUsers" />
<deny users="?" />
</authorization>
```

4. Configure role authorization in web.config

A typical use for roles is to establish rules that allow or deny access to pages or folders. You can set up such access rules in the <authorization> section of the Web.config file. The following example allows users in the role of members to view pages in the folder named memberPages and denies access to anyone else.

```
<configuration>
<location path="memberPages">
<system.web>
<authorization>
<allow roles="Manager" />
<deny users="*" />
</authorization>
</system.web>
</location>
<!-- other configuration settings here -->
</configuration>
```

5. Use Role API

If you want to manage role in the code, please use APIs:

```
Roles.IsUserInRole("roleName")
Roles.GetRolesForUser()
Roles.IsUserInRole("username", "roleName")
```

Please have a try and let me know if it works. Thanks.

Regards,
Hongye Sun (hongyes@xxxxxxxxxxxxxxxxxxxxxxxx, remove 'online.')

Microsoft Online Community Support

Delighting our customers is our #1 priority. We welcome your comments and

RE: ActiveDirectory and user page Access

suggestions about how we can improve the support we provide to you. Please feel free to let my manager know what you think of the level of service provided. You can send feedback directly to my manager at:
msdnmg@xxxxxxxxxxxxxx

This posting is provided "AS IS" with no warranties, and confers no rights.