# Lab 16: Create an Extranet Site

#### Objectives

After completing this lab, you will be able to:

* Create an extranet site with Forms Authentication based on ASP.Net Membership and Role providers.
* Modify web.config files of both Extranet and Office SharePoint 2007 Server Administration sites
* Add the first Administrator user for the Extranet site using Form Authentication

#### Prerequisites

Before working on this lab, you must have:

* Labs 1, 2, and 15 fully completed

#### Scenario

In this lab you will create a new site targeting your extranet audience(s). You will configure your extranet site to use Forms Authentication.

##### Estimated time to complete this lab: 45 minutes

### Exercise 1 Create the Internet Web Application

Create a new web application for the purpose of applying a different authentication provider.

* Open the Microsoft SharePoint 3.0 Central Administration site.

1. Login as **Administrator** and click “**Start”** on your desktop.
2. Select “**All Programs”**
3. Select “**Microsoft Office Server”**
4. Select “**SharePoint 3.0 Central Administration”**
5. Select “**Application Management”**
6. Click “**Create or Extend Web Application”**
7. Click “**Create a new Web Application”**

In the Create New Web Application page…

1. In the Create a new IIS Web Site section, enter the following:

**IIS Web Site (section):**

**Description:** <your initials> Extranet

**Port:** Keep the default Port (**Write the port number here**: \_\_\_\_\_\_\_\_\_\_ )

**Host Header:** leave blank

**Path:** C:\Inetpub\wwwroot\<your initials>Extranet

**Security Configuration (section):**

**Authentication Provider:** NTLM

**Allow Anonymous:** Keep as is (No)

**Use Secure Sockets Layer (SSL):** Keep as is (No)

**Load Balanced URL (section):** Keep as is

**Application Pool (section):**

**Create new application pool:** <your initials> ExtranetAppPool

**Select a security account for this application pool:** click the **“Configurable”** radio button

Name: litwareinc\Administrator

Password: pass@word1

**Reset Internet Information Services (section):** Keep as is.

**Database Name and Authentication (section):**

**Database Server Name:** OS

**Database Name:** WSS\_Content\_<your initials> Extranet

**Database Authentication:** *Windows Authentication*

**Search Server:** OS

**IMPORTANT:** Before Clicking Ok – please verify that all options are configured properly as indicated above. This site will be deployed to another farm in a later exercise thus the needs to use your own initials for differentiation between you and the other attendees’ site.

1. Click **Ok** (takes about 3 – 4 min to complete)

Once completed, the “Application Created” page appears.

### Exercise 2 Create the Internet web application’s site Collection

Create a new site collection

1. In the “**Application Created**” page, click the “***Create Site Collection***” link.

Make sure the Web Application is: http://os:<port number entered in step 8 of exercise 1 above>

1. In the **Title and Description section** enter the following:

**Title:** <Your Initials>litware Inc. Extranet Site

**Description:** This is the main Extranet site of the Litware Inc. fictitious company.

**Web Site Address section:**

***Select Create site at this URL:*** (root) “/”

**Template Selection:** Click on the “**Publishing**” tab and select the “**Publishing Portal**” template.

**Primary Site Collection Administrator:** litwareinc\Administrator (check mane to make sure it is entered correctly)

**Secondary Site Collection Administrator:** litwareinc\brianc (check mane to make sure it is entered correctly)

Select a quota template: “**no quota” (default).**

1. Click **OK**
2. Click **Ok** again once the Top-Level site was successfully created.

To test the new extranet site simply launch you browser and point it to: “http://os:<portnumber entered in step 8 of exercise 1 above”>

### Exercise 3 Prep the site for Form Authentication - Modify Web.Config of the Extranet site

In this exercise you will modify the extranet site web.config to indicate to the web application that a new membership and role provider is available.

* We now need to modify web.config of the Extranet site to apply Forms Authentication.

Note: The Extranet site web.config needs to be modified to allow the site to communicate to the new Memberships and Roles providers.

1. Locate the Extranet web.config file and edit it using Visual Studio.
2. Add the following
3. Click Start, Windows Explorer, navigate to the following folder C:\Inetpub\wwwroot\<Your Initials>Extranet.
4. Right click on web.config and open with Visual Studio.
5. Insert the following lines in web.config between </configSections> and <SharePoint> tags.

<connectionStrings>

<remove name="LocalSqlServer" />

<add name="LocalSqlServer" connectionString="Data Source=localhost;Initial Catalog=aspnetdb;Integrated Security=True" providerName="System.Data.SqlClient"/>

<add name="AspNetSqlMembershipProvider" connectionString="server=OS; database=aspnetdb; Trusted\_Connection=True" />

</connectionStrings>

1. Insert the following text after the </httpHandlers> tags to add the Membership and Role provider.

<!-- Start - Added by “Your Initial Here” for Forms Authentication -->

<membership defaultProvider="AspNetSqlMembershipProvider">

<providers>

<remove name="AspNetSqlMembershipProvider" />

<add connectionStringName="AspNetSqlMembershipProvider" passwordAttemptWindow="10" enablePasswordRetrieval="false" enablePasswordReset="true" requiresQuestionAndAnswer="true" applicationName="Extranet" requiresUniqueEmail="false" passwordFormat="Hashed" description="Stores and retrieves membership data from the Microsoft SQL Server database" name="AspNetSqlMembershipProvider"

type="System.Web.Security.SqlMembershipProvider, System.Web, Version=2.0.3600.0, Culture=neutral,

PublicKeyToken=b03f5f7f11d50a3a" />

</providers>

</membership>

<roleManager enabled="true" defaultProvider="AspNetSqlRoleProvider">

<providers>

<remove name="AspNetSqlRoleProvider" />

<add connectionStringName="LocalSqlServer" applicationName="Extranet" description="Stores and retrieves roles data from the local Microsoft SQL Server database" name="AspNetSqlRoleProvider" type="System.Web.Security.SqlRoleProvider, System.Web, Version=2.0.3600.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a" />

</providers>

</roleManager>

<!-- End Added by “You Initial Here” for Forms Authentication -->

1. Save the file.

### Exercise 4 Modify web.config of the Central Administrator site

The Central Administration site web.config will also need to be modified to allow it to select users from the newly created membership database and have them become Administrator on the Extranet site. The “Role” provider is not required and should not be use by The Central Administrator site.

* We now need to modify web.config of the Extranet site to apply Forms Authentication.

1. Locate the appropriate web.config file and edit it.
2. Add the following
3. Click Start, Windows Explorer, navigate to the following folder C:\Inetpub\wwwroot\wss\VirtualDirectories\4e4b73d4-1f9b-42f9-bd71-d931872a00c1.
4. Right click on web.config and open it up with Visual Studio.
5. Insert the following lines in web.config between </configSections> and <SharePoint> tags.

<connectionStrings>

<remove name="LocalSqlServer" />

<add name="LocalSqlServer" connectionString="Data Source=localhost;Initial Catalog=aspnetdb;Integrated Security=True" providerName="System.Data.SqlClient"/>

</connectionStrings>

1. Add a second connection string to the access the new aspnetdb database.

<add name="AspNetSqlMembershipProvider" connectionString="server=OS; database=aspnetdb; Trusted\_Connection=True" />

1. Insert the following text after the </httpHandlers> tags. ***Please notice that there is no Role provider required for the Administration site.***

<!-- Start - Added by “You Initial Here” for Forms Authentication -->

<membership defaultProvider="AspNetSqlMembershipProvider">

<providers>

<remove name="AspNetSqlMembershipProvider" />

<add connectionStringName="AspNetSqlMembershipProvider" passwordAttemptWindow="10" enablePasswordRetrieval="false" enablePasswordReset="true" requiresQuestionAndAnswer="true" applicationName="Extranet" requiresUniqueEmail="false" passwordFormat="Hashed" description="Stores and retrieves membership data from the Microsoft SQL Server database" name="AspNetSqlMembershipProvider"

type="System.Web.Security.SqlMembershipProvider, System.Web, Version=2.0.3600.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a" />

</providers>

</membership>

<!-- End Added by “You Initial Here” for Forms Authentication -->

1. Save the file and close Visual Studio and Windows Explorer.
2. Perform an IISRESET

### Exercise 5 Configure the Extranet site for anonymous access and assign the first Administrator.

Form Authentication requires that the web application has anonymous access enabled.

1. In the **Central Administration**. (Start, All Programs, Microsoft Office Server, SharePoint 3.0 Central Administration)
2. Select “**Application Management**” (in the main Central Administration site)
3. In the “**Application Security**” section, select “**Authentication Providers**”

Make sure the Web Application is “OS: <portnumber entered in step 8 of exercise 1 above”>”

1. Click “**Default**” just below the “Zone” in the main content section.
2. In the “**Authentication Type**” section, select **Forms**
3. Locate the “**Anonymous Access”** section and check the ***“Enable anonymous access”*** box.
4. In the “**Membership Provider Name**” section, enter the following in the text box “**AspNetSqlMembershipProvider**”.
5. In the “**Role Manager Name**” section, enter the following in the text box “**AspNetSqlRoleProvider**”.
6. In the “**Client Integration**” section, select **No**.
7. Click **Save**.

Once saved the Authentication Providers page should now indicate “**AspNetSqlMembershipProvider**” under the Membership Provider Name.

1. To assign the first administrator user to the Extranet site, click on the “**Application Management**” in the breadcrumb, then click “**Policy for Web Application**” in the “**Application security**” section.
2. Make sure the Web Application is set to os:<portnumber entered in step 8 of exercise 1 above> and click **Add Users**.
3. In the Add Users page, Select the “**Default**” zone and click **Next**
4. Click **Browse** in the Choose Users section
5. In the “**Add People and Groups**” dialog box, enter the “musera” user and click search (right hand side magnifier glass image)
6. There should be only one account name displayer – musera. Click **Add** and then click **OK**.
7. Apply “**Full Control – Has full control**” to the “musera” user and click **Finish**.

You now added you first Administrator to your Extranet site!

### Exercise 6 Add the first user of the Form Authentication Provider

In this exercise you will add the first user (from the membership provider) which will become the Administrator of the Extranet site. This user will then be able to add other users to different roles.

1. In the **Central Administration**. (Start, All Programs, Microsoft Office Server, SharePoint 3.0 Central Administration) under the “**Application Security**” section, select “**Policy for Web Application**”.
2. Click “**Change Anonymous Access Permission Policy**” link located in the left navigation.
3. In the “**Anonymous User Policy**” page, make sure the “**Web Application**” is [http://os:<portnumber](http://os:%3cportnumber)>
4. In the Select the **Zones section**, select the **Default** zone.
5. In the Permissions section, select **Deny Write – Has no write access**.
6. Click **Save**
7. Launch you browser and test the site access http://os:<port number>
8. In the form, enter “**musera**” as the user id and “**pass@word1**” as the password
9. Once authenticated, the home page of the extranet site will be displayed.
10. Browse the Extranet site
11. To add more users click the “**Site Actions**” link and add People and Groups by selecting any of the users you added in the aspnetdb membership database.
12. Close all Browser sessions

Lab Completed!