# Lab 15: Create a Membership Database

#### Objectives

After completing this lab, you will be able to:

* Create and configure as ASP.Net membership and role database

#### Prerequisites

Before working on this lab, you must have:

* Labs 1 and 2 fully completed

#### Scenario

The Extranet site you will create in the next lab will be using Forms Authentication with SQL2005 database as the membership store. In this lab you will create the membership store.

##### Estimated time to complete this lab: 30 minutes

### Exercise 1 Create a SQL 2005 Membership Database

You will create a brand new database in SQL called “**aspnetdb**” which contains Membership, Profile, a Role Manager, Personalization and the SQLWebEventProvider. The aspnetdb database will become our source for Authentication and Personalization for the Extranet site you will create in the next Lab.

* Create a SQL Membership database

Launch a Visual Studio Command Prompt window with the following steps:

1. Login as **Administrator** and click **Start** on you Desktop
2. Select **All Programs**
3. Select **Microsoft Visual Studio 2005**
4. Select **Visual Studio Tools**
5. Select “**Visual Studio 2005 Command Prompt”** shortcut

A new Command prompt window appears.

1. **Type in the following command:** ***aspnet\_regsql.exe –A all –E***

**Note:** If you received an error, use the SQL wizard to create the database – Launch the same command without the switches (meaning no –A all –E).

1. Close the Command prompt window

### Exercise 2 Apply the appropriate rights to the Membership Database

In this exercise you will apply the appropriate rights, based on the current environment, onto the membership database.

* Apply rights to the Membership database

1. Launch The SQL Management Studio from the start menu, login using the defaults, and select the “**aspnetdb**” database. Click “**connect**” to login.

***Perform the following steps to grant login access to the Network Services id to the aspnetdb database.***

1. Click **“New Query”** on the tool bar
2. Execute the following commands: sp\_grantlogin 'NT AUTHORITY\Network Service' by clicking the “Execute” button on the toolbar.

***Perform the following step to grant the Network Service id access to the aspnetdb database***

1. Execute the following command: (highlight the previous command and replace it with the following) sp\_grantdbaccess 'NT AUTHORITY\Network Service', 'Network Service'

***Perform the following steps to apply the appropriate access rights for the Network Service user.***

1. To apply the appropriate access to the aspnetdb database for the Network Service id execute the following commands individually - one at a time:

sp\_addrolemember 'aspnet\_Membership\_FullAccess', 'Network Service'

sp\_addrolemember 'aspnet\_Roles\_FullAccess', 'Network Service'

### Exercise 3 Create users in the Membership Database

In this exercise you will create nine different users and apply the appropriate membership to them i.e. Extranet.

* Create new users within the aspnetdb database. In this exercise you will create 9 different users which will then be associated with different groups.

1. Execute the following commands: (They all can be executed at once!)

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'musera', 'pass@word1', 'PortalSolution', 'musera@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'muserb', 'pass@word1', 'PortalSolution', 'muserb@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'muserc', 'pass@word1', 'PortalSolution', 'muserc@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'muserd', 'pass@word1', 'PortalSolution', 'muserd@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'musere', 'pass@word1', 'PortalSolution', 'musere@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'muserf', 'pass@word1', 'PortalSolution', 'muserf@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'muserg', 'pass@word1', 'PortalSolution', 'muserg@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'muserh', 'pass@word1', 'PortalSolution', 'muserh@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

EXEC aspnet\_Membership\_CreateUser 'Extranet', 'museri', 'pass@word1', 'PortalSolution', 'museri@litwareinc.com', '', '', true, '10/06/2006', '10/06/2006', 0, 0, null

1. To create new **Members and Roles** and associate users to them in the aspnetdb, execute the following commands: (They all can be executed at once!)

**Note:** The word “**Extranet**” in the following commands represents the aspnetdb membership “Application” name within. Extranet just happened to be in this exercise the same name as the IIS Virtual Server name that is associated with the new SharePoint Site Collection.

EXEC aspnet\_Roles\_CreateRole 'Internet', 'MRoleA'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'musera', 'MRoleA', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserb', 'MRoleA', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserc', 'MRoleA', '10/06/2006'

EXEC aspnet\_Roles\_CreateRole ' Internet', 'MRoleB'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'musera', 'MRoleB', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserb', 'MRoleB', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserc', 'MRoleB', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserd', 'MRoleB', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'musere', 'MRoleB', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserf', 'MRoleB', '10/06/2006'

EXEC aspnet\_Roles\_CreateRole 'SharePoint', 'MRoleC'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'musera', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserb', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserc', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserd', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'musere', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserf', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserg', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'muserh', 'MRoleC', '10/06/2006'

EXEC aspnet\_UsersInRoles\_AddUsersToRoles 'Extranet', 'museri', 'MRoleC', '10/06/2006'

1. Close The SQL Server Management Tool and say **No** to save

You have created a new database (aspnetdb) with that contains membership, roles, and users.

Lab completed!