

# Lab 12A

## Configuring Single Sign On Service

### Introduction

In this lab exercise we will see how to configure the Single Sign On Service and configure Individual and Group Enterprise Application Definitions. The lab steps are presented in:

Task Goal	This section details the overall task to be achieved. The task will be broken down into general and detailed steps.
General Task Steps	These general steps tell you what requires doing to achieve the task goal. You can perform the required steps without following the detailed steps if you wish.
Detailed Task Steps	These are the detailed step by step guide required to achieve the task goal.

Time to complete this lab: 20 minutes.

### Scenario

You are the SharePoint administrator for your organisation and you are required to configure the Single Sign On Service so that your organisation's application developers can create web parts that access information from both your organisations custom help desk enquiry system and SAP database. A separate team of administrators will be set up to manage the application definitions and user information in the future, but for now, you will be required to configure the initial application definitions. Other administrators may be required to configure the Single Sign On service in the future. Users on the Help Desk application use a generic account to read information and are required to specify a username, password and database name. Users of SAP have their own logons and are required to specify username, password, station ID and SAP database ID. Passwords and Station ID's must be kept secure at all times.

### Task 1 – Create Users

Task Goal	Create user and group accounts for the Single Sign On Service to use as well as a Group for the future Application Definition Administrators.
General Task Steps	<p>Create the following accounts will be used:</p> <ul style="list-style-type: none"> <li>• User account for the Microsoft Single Sign On Service to use as a logon.</li> <li>• Group account for administrators of the Single Sign On Service.</li> <li>• Group account for administrators of Application Definitions.</li> </ul> <p>The following group membership is required:</p> <ul style="list-style-type: none"> <li>• The Microsoft Single Sign On Service user account must be a member of the Single Sign On Service Administrators group.</li> <li>• The Domain Administrator account must be a member of the Single Sign On Service Administrators group.</li> </ul>

**Detailed Task Steps**

To create the required users and group accounts:

- Open **Active Directory Users and Computers** from the Administrative Tools program group on the Start Menu.
- Expand the Domain Trainsbydave.com and Select the **Users** container in the left hand pane.
- Click the **New User** icon on the toolbar.
- Create a new user account with the following information:

First Name: SSO  
Last Name: Service  
Logon Name: SSOService  
Password: P@ssw0rd

- Unselect the **User Must Change Password** at Next Logon check box.
- Select the **Password Never Expires** check box.
- Click **Next**.
- Click **Finish**.
- Click the **New Group** icon from the toolbar.
- Enter **G\_SSOAdmins** as the group name.
- Ensure that the group scope is set to **Global** and that the group type is set to **Security**.
- Click **Next**.
- Click **Finish**.
- Click the **New Group** icon from the toolbar again.
- Enter **G\_SSODEFAdmins** as the group name.
- Ensure that the group scope is set to **Global** and that the group type is set to **Security**.
- Click **Next**.
- Click **Finish**.
- Double click on the **G\_SSOAdmins** group in the right hand pane.
- Select the **Members** tab.
- Click **Add**.
- Type **SSOService** into the Enter the Object Name To Select box and click **Check Names**.
- Type **Administrator** into the Enter the Object Name To Select box and click **Check Names**.
- Click **OK**.
- Ensure that the SSOService account and the Administrator account are listed in the Members box. If not, repeat the previous steps to add any missing user accounts.
- Click **OK**.
- Close Active Directory Users and Computers.
- Logoff and back on as Administrator.

Why did you need to logoff and back on?

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## Task 2 – Configure Required Access

<b>Task Goal</b>	Configure the access required by the Microsoft Single Sign On Service account on the SQL and SharePoint Servers.
<b>General Task Steps</b>	<p>The Microsoft Single Sign On Service Account has the following access requirements:</p> <ul style="list-style-type: none"> <li>• Member of the STS_WPG group on all SharePoint Servers.</li> <li>• Member of the SPS_WPG group on all SharePoint servers.</li> <li>• Server Administrator role on the SQL server.</li> <li>• Public access to the SharePoint Configuration Database.</li> </ul>
<b>Detailed Task Steps</b>	<ul style="list-style-type: none"> <li>○ Open <b>Active Directory Users and Computers</b> from the Administrative Tools program group on the Start Menu.</li> <li>○ Expand the Domain Trainsbydave.com and Select the <b>Users</b> container in the left hand pane.</li> <li>○ Double click on the <b>STS_WPG</b> group in the right hand pane.</li> <li>○ Select the <b>Members</b> tab.</li> <li>○ Click <b>Add</b>.</li> <li>○ Type <b>SSOService</b> into the Enter the Object Name To Select box and click <b>Check Names</b>.</li> <li>○ Click <b>OK</b>.</li> <li>○ Ensure that the SSOService account is listed in the Members box. If not, repeat the previous steps to add the missing user account.</li> <li>○ Click <b>OK</b>.</li> <li>○ Double click on the <b>SPS_WPG</b> group in the right hand pane.</li> <li>○ Select the <b>Members</b> tab.</li> <li>○ Click <b>Add</b>.</li> <li>○ Type <b>SSOService</b> into the Enter the Object Name To Select box and click <b>Check Names</b>.</li> <li>○ Click <b>OK</b>.</li> <li>○ Ensure that the SSOService account is listed in the Members box. If not, repeat the previous steps to add the missing user account.</li> <li>○ Click <b>OK</b>.</li> </ul> <p>This is an example configuration for a single SharePoint server running on a Domain Controller. What would be different for a server farm or a single SharePoint server that wasn't a Domain Controller?</p> <hr/> <hr/> <hr/> <ul style="list-style-type: none"> <li>○ Open <b>Enterprise Manager</b> from the Microsoft SQL Server program group on the start menu.</li> <li>○ In the left hand pane, expand <b>Microsoft SQL Servers</b>.</li> <li>○ Expand <b>SQL Server Group</b>.</li> <li>○ Expand <b>(Local)(Windows NT)</b>.</li> <li>○ Select <b>Security</b>.</li> <li>○ Right click on <b>Logins</b> in the right hand pane and select <b>New Login</b> from the context menu.</li> <li>○ Enter <b>trainsbydave\ssoservice</b> into the name field.</li> </ul>

	<ul style="list-style-type: none"> <li>○ Select the <b>Server Roles</b> tab.</li> <li>○ Select the check box next to Server Administrators.</li> <li>○ Select the <b>Database Access</b> tab.</li> <li>○ Select the permit check box next to the configuration database SPS01_Config_db.</li> <li>○ Ensure that Public is selected in the Permit in Database Role section.</li> <li>○ Click <b>OK</b>.</li> <li>○ Close SQL Server Enterprise Manager.</li> </ul>
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### Task 3 – Configure and Start the Service

<b>Task Goal</b>	Configure and start the Microsoft Single Sign-on Service
<b>General Task Steps</b>	<ul style="list-style-type: none"> <li>● Configure the Microsoft Single Sign-on Service to start automatically and to use the Microsoft Single Sign On account.</li> <li>● Start the service on the Job and Web Front End Servers.</li> </ul>
<b>Detailed Task Steps</b>	<ul style="list-style-type: none"> <li>○ Open <b>Services</b> from the Administrative Tools program Group on the start menu.</li> <li>○ Double click the <b>Microsoft Single Sign-on Service</b>.</li> <li>○ Under Startup Type: select <b>Automatic</b> from the drop down list.</li> <li>○ Select the <b>Log On</b> tab.</li> <li>○ Select the <b>This Account</b> radio button.</li> <li>○ Enter <b>trainsbydave\ssoservice</b> in the username field.</li> <li>○ Enter <b>P@ssw0rd</b> in both of the password fields.</li> <li>○ Click <b>OK</b>.</li> <li>○ A Message appears stating that the account will be granted to logon as a service right.</li> <li>○ Click <b>OK</b></li> <li>○ Right click on the Microsoft Single Sign-on Service and select <b>Start</b> from the context menu.</li> <li>○ Ensure the Microsoft Single Sign-on Service has started and close the services console.</li> </ul> <p>What additional servers would you need to start the service on in a server farm? In what order should you start the service on these servers?</p> <hr/> <hr/> <hr/>

## Task 4 – Setup the Single Sign On Service

<b>Task Goal</b>	Configure the Single Sign On Service by using the SharePoint Portal Server Single Sign-On Administration page.
<b>General Task Steps</b>	<ul style="list-style-type: none"> <li>• Use the SharePoint Portal Server Single Sign-On Administration page to configure the service and application definition administration accounts.</li> <li>• Create a Group Application Definition for the Help Desk application</li> <li>• Create an Individual Application Definition for the SAP database.</li> </ul>
<b>Detailed Task Steps</b>	<p>○ Open the <b>SharePoint Portal Server Single Sign-On Administration</b> page from the SharePoint Portal Server program group on the start menu.</p> <p>How else could you get to this page?</p> <hr/> <ul style="list-style-type: none"> <li>○ Click the <b>Manage Server Settings</b> link.</li> <li>○ In the Single Sign-On Settings section - Account Name field, enter <b>TRAINSBYDAVE\G_SSOAdmins</b>.</li> <li>○ In the Enterprise Application Definition Settings section - Account Name field, enter <b>TRAINSBYDAVE\G_SSOAdmins</b>.</li> <li>○ In the Database Settings section, ensure that the Server Name field shows <b>STUDENT1</b> and that the Database Name field shows <b>SSO</b>.</li> <li>○ Click <b>OK</b>.</li> <li>○ Click the <b>Manage settings for enterprise application definitions</b> link.</li> <li>○ On the Manage Enterprise Application Definitions page, click <b>New Item</b>.</li> <li>○ Under Display Name enter <b>Help Desk Application</b>.</li> <li>○ Under Application Name enter <b>HelpDesk</b>.</li> <li>○ Under Contact Email Address enter <b>administrator@trainsbydave.com</b>.</li> <li>○ Under Account Type, ensure that <b>Group</b> is selected.</li> <li>○ In Field 1 Display Name enter <b>User Name</b>.</li> <li>○ In Field 2 Display Name enter <b>Password</b>.</li> <li>○ Set the Mask option to <b>Yes</b> under Field 2.</li> <li>○ In Field 3 Display Name enter <b>Database Name</b>.</li> <li>○ Click <b>OK</b>.</li> <li>○ On the Manage Enterprise Application Definitions page, click <b>New Item</b>.</li> <li>○ Under Display Name enter <b>SAP Database</b>.</li> <li>○ Under Application Name enter <b>SAP</b>.</li> <li>○ Under Contact Email Address enter <b>administrator@trainsbydave.com</b>.</li> <li>○ Under Account Type, ensure that <b>Individual</b> is selected.</li> <li>○ In Field 1 Display Name enter <b>User Name</b>.</li> <li>○ In Field 2 Display Name enter <b>Password</b>.</li> <li>○ Set the Mask option to <b>Yes</b> under Field 2.</li> <li>○ In Field 3 Display Name enter <b>Station ID</b>.</li> <li>○ Set the Mask option to <b>Yes</b> under Field 3.</li> <li>○ In Field 4 Display Name enter <b>SAP Database ID</b>.</li> <li>○ Click <b>OK</b>.</li> </ul>

	<ul style="list-style-type: none"><li>○ Click the <b>Manage Single Sign-on</b> link at the top of the page.</li><li>○ Click the <b>Manage account information for enterprise application definitions</b> link.</li><li>○ In the drop down list of application definitions, ensure that <b>Help Desk</b> is selected.</li><li>○ In the Group account name field, enter <b>TRAINSBYDAVE\Domain Users</b>.</li><li>○ Click <b>OK</b>.</li><li>○ On the Provide Help Desk Account Information page, enter information into the User Name, Password and Database Name fields.</li><li>○ Note that the password field is masked.</li><li>○ Click <b>OK</b>.</li><li>○ Select <b>SAP</b> from the drop down list of application definitions.</li><li>○ In the Group account name field, enter <b>TRAINSBYDAVE\Administrator</b>.</li><li>○ Click <b>OK</b>.</li><li>○ On the Provide SAP Account Information page, enter information into the User Name, Password, Station ID and SAP Database ID fields.</li><li>○ Notice that the Password and Station ID fields are masked.</li><li>○ Click <b>OK</b>.</li><li>○ Close the Internet Explorer Window.</li></ul>
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