

Chapter 7 – Migration and Upgrades

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Chapter 7 – Migration and Upgrades

7.1 Scope

This chapter is designed to give you information about the requirements to migrate and upgrade Windows SharePoint Server v3 (WSS v3) content. It will examine issues such as migrating and upgrading SharePoint v2 data (including Windows Small Business Server 2003 companyweb). It will examine a number of different WSS v3 migration options including database and file migration.

7.2 Prerequisites

The first step in planning your migration is taking inventory of your current SharePoint v2 or companyweb site. What type of data is housed there? If you're storing files in document libraries, have you added new columns to track metadata on the documents? Are you keeping version histories on your documents? If so, will you need access to those version histories after the migration? What about custom lists? Also, do any of your document libraries or lists have lookup fields referring to other lists on your site? Besides the data itself, what about how the data is presented. Do you have any 3rd party web parts you're using? Have you created any custom web-part pages to display your data? If so then the migration process maybe more involved than from a standard installation.

You can't simply take a SharePoint backup (using `stsadm`) from SharePoint v2 and restore it to WSS v3 because the format of the content databases is different.

Prior to any upgrade or migration from SharePoint v2 you should run the `prescan.exe` tool to ensure there are no issues with the existing site that may cause the upgrade/migration to fail. If your SharePoint instance has been upgraded to full SQL 2000 Server (usually on SBS 2003 Premium) and Full-Text search has been enabled then you will have to disable this prior to any migration. For more information about determining the SharePoint instance status and disabling Full-Text search see **Chapter 14 – Prerequisites**.

In all cases it is strongly recommended that you perform a migration of your existing SharePoint v2 site by copying and then upgrading these content databases. Many more issues are likely with other methods and using the database method also allows a roll back option in the event of problems.

7.3 Migration

Database Migration of SharePoint v2 data

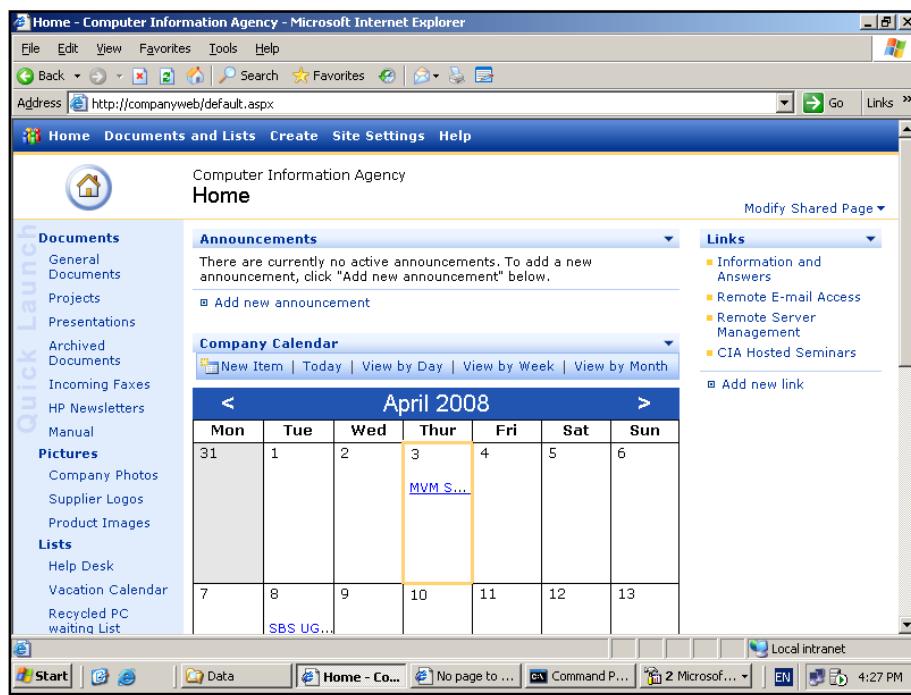
In most cases on Windows Small Business Server 2003 (SBS) you will be looking to migrate the existing data in `http://companyweb` into a new side by side installation of Windows SharePoint Services v3 (WSS v3). Prior to any actual data migration you will

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need to complete the installation of WSS v3 onto the Windows Small Business Server 2003. For more information about doing this please see the **Chapter 4 – Installing Windows SharePoint Services V3 onto Small Business Server**.

Prior to any migration ensure that you have completed a full backup of your Windows Small Business Server 2003 and it is recommended that you also complete a separate backup of your Companyweb site. More information about completing a SharePoint v2 backup see – **Chapter 13 - Troubleshooting**.

Next, ensure that <http://companyweb> is functioning correctly on Windows Small Business Server 2003.

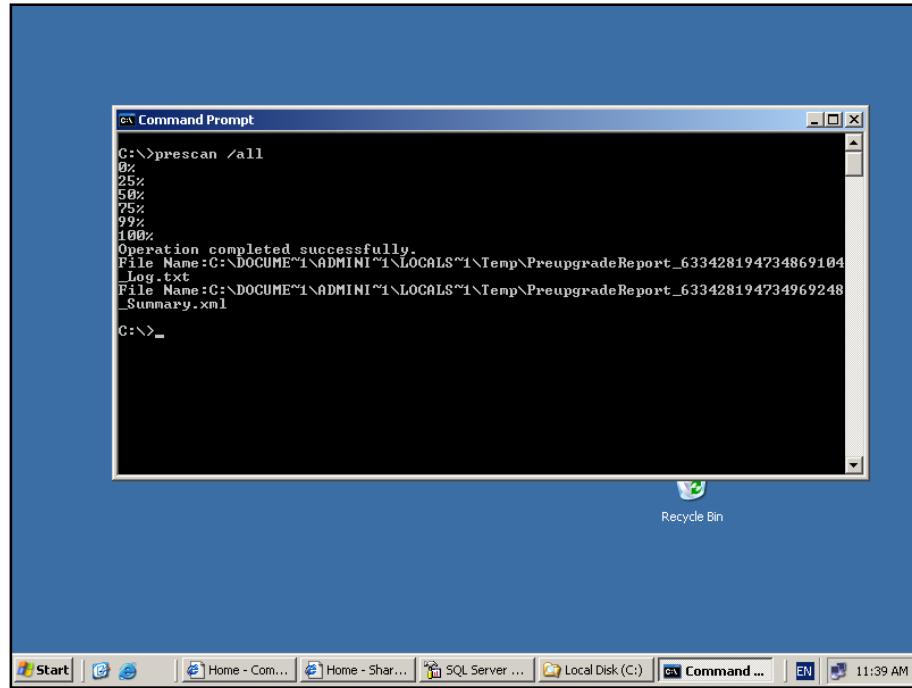


Once you are happy that <http://companyweb> is operating correctly close the browser window. You will now need to download and run the WSS v3 prescan tool (a single .exe file) which can be found at:

<http://www.microsoft.com/downloads/details.aspx?familyid=e8a00b1f-6f45-42cd-8e56-e62c20feb2f1&displaylang=en&tm>

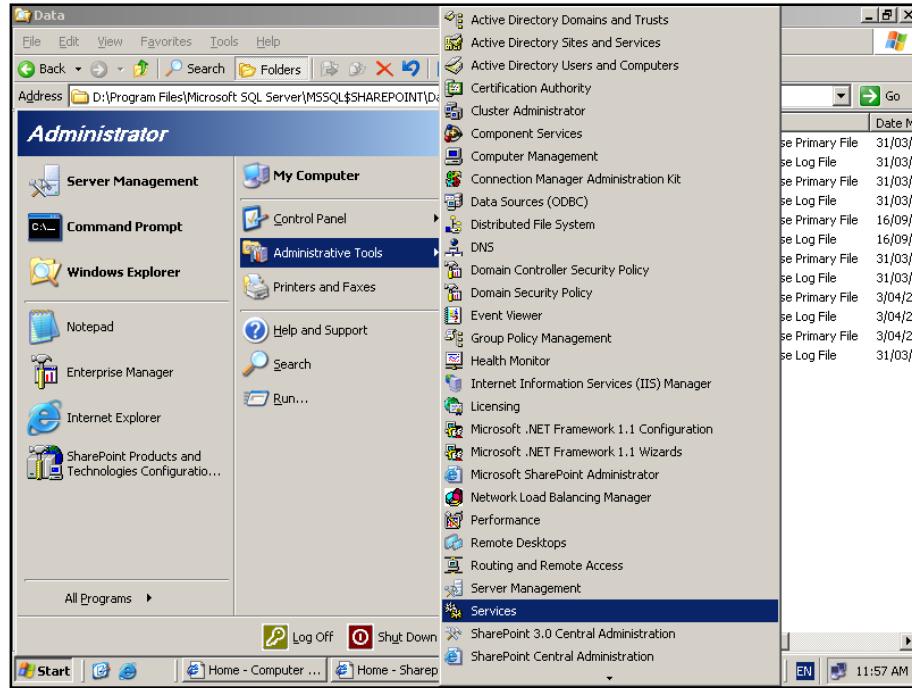
Login to the Windows Small Business server 2003 as an administrator and copy the file to a local drive on the server and then start a DOS prompt via **Start | Run | Cmd**.

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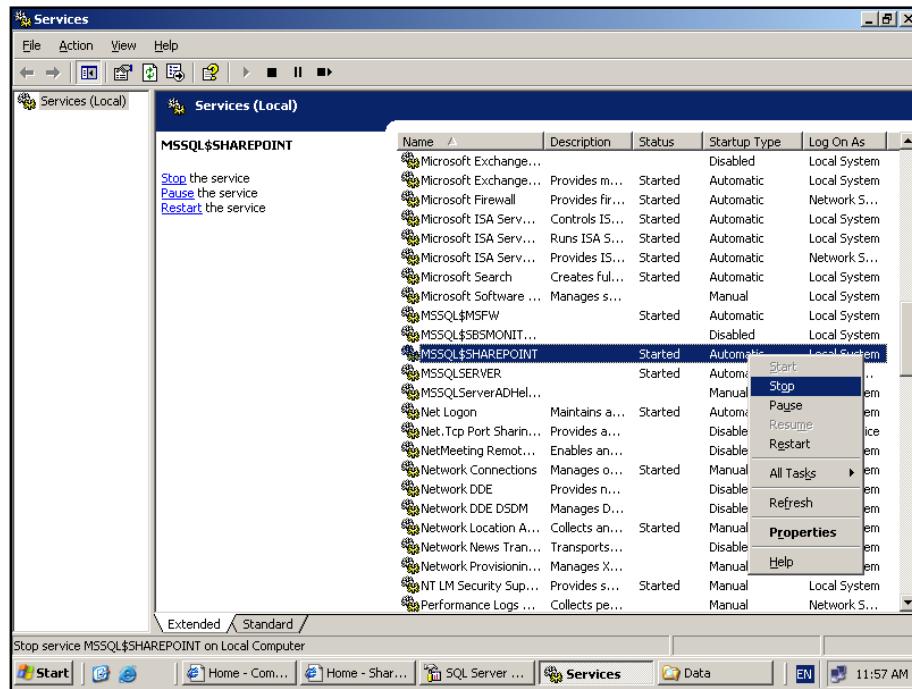


At the command prompt type **prescan /all** and press **Enter**. The scanning tool will examine the existing SharePoint v2 databases and report if there are any issues that may arise when you attempt to migrate. When the process is successful close the DOS prompt. Note that running prescan does not in any way affect the existing SharePoint v2 databases but it does make a small change to the databases that indicates they are ready to be migrated. Therefore if you fail to run this prescan tool prior to any migration the process will fail.

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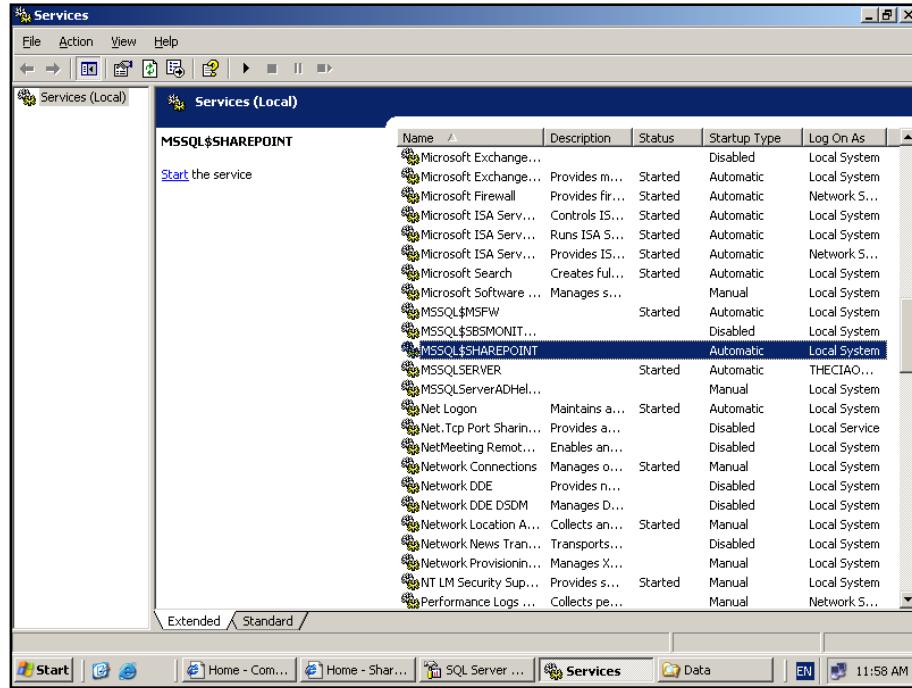


The next step is to stop the SharePoint v2 service so that the existing databases can be copied to a new location. To do this go **Start | Administrative Tools | Services**.

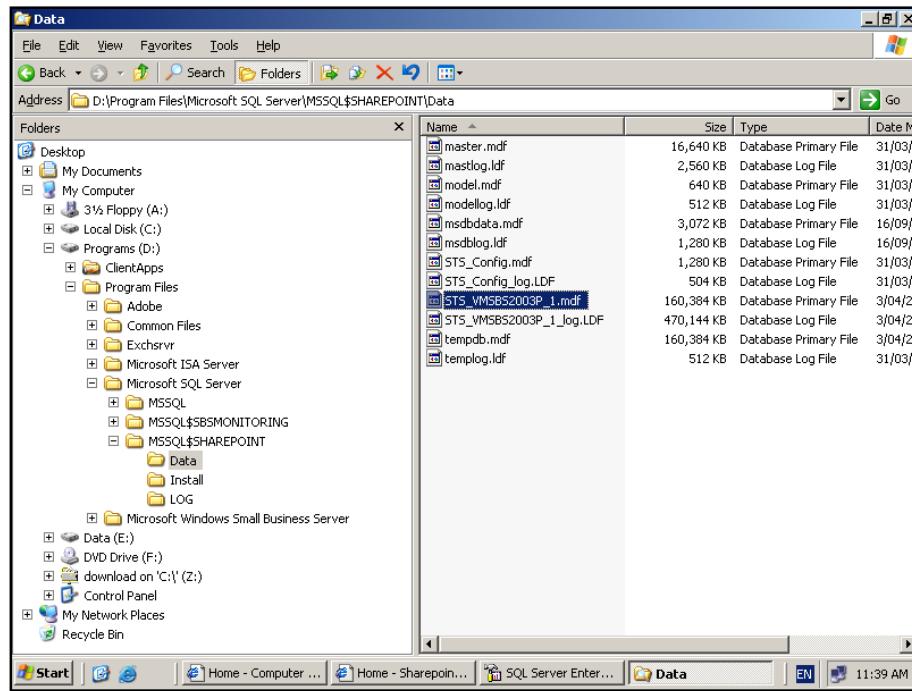


Locate the service named **MSSQL\$SBSSHAREPOINT**, right mouse click on the service and select **Stop** from the list that appears.

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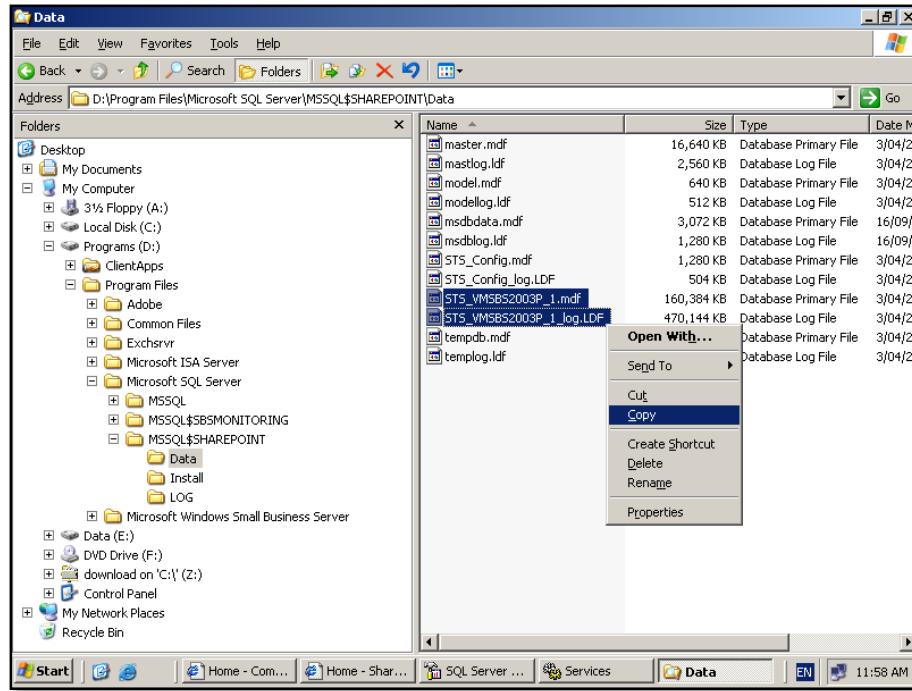
When this process is complete you should see nothing in the *Status* column for that service, this indicates that the service is not running. Close the *Services* window.



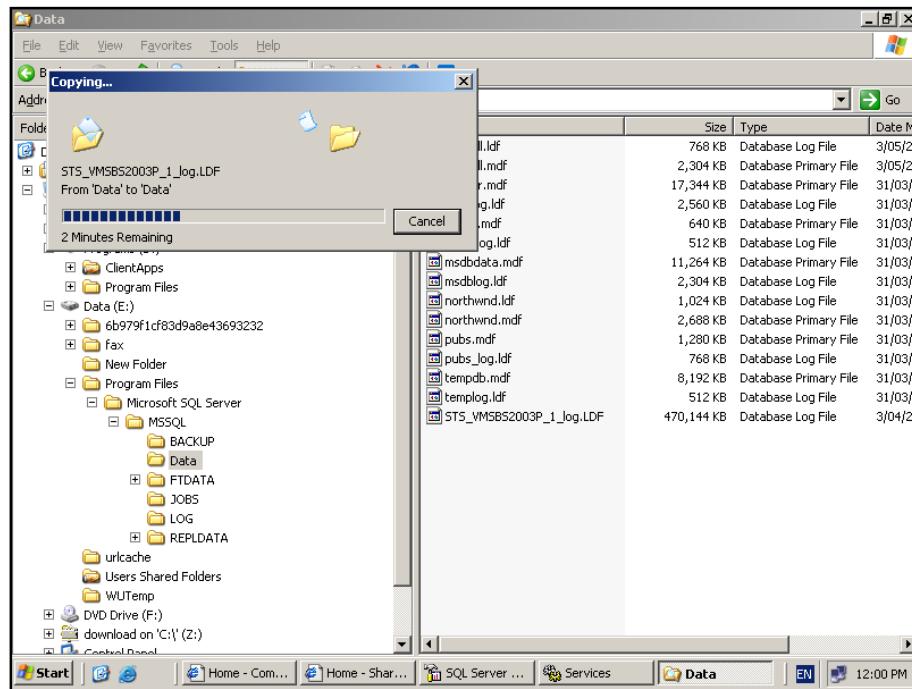
You now need to locate the original SharePoint v2 databases. Normally these will be located in <install drive>:\program files\microsoft sql\server\MSSQL\$SHAREPOINT.

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Typically, the files will be named *STS_<servername>_1.mdf* and *STS_<servername>_1.log.LDF* (in this case *STS_VMSBS2003P_1*).



Right mouse click on both of these files and select **Copy** from the menu that appears.



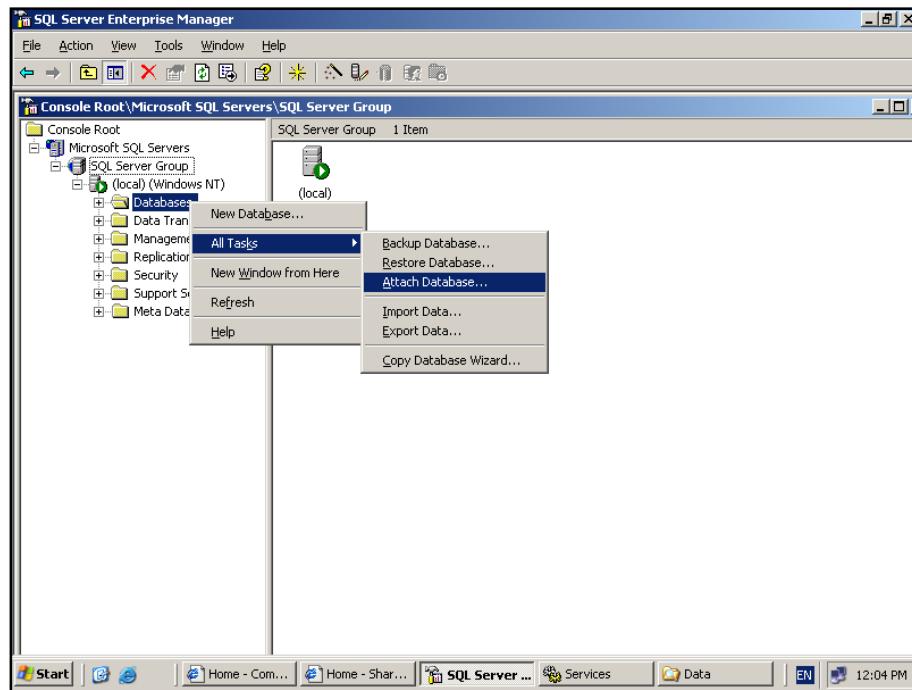
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Move to the location where you wish the new databases to be located and paste the files into that directory. In this case we are copying the files into the SQL data directory located at `e:\program files\Microsoft sql server\mssql\data` on our Small Business Server.

Once the databases have been copied they need to be attached to the SQL server you have chosen to use during your installation of WSS v3. For more information about the installation of WSS v3 and database options see – **Chapter 4 – Installing Windows SharePoint Services V3 onto Small Business Server**.

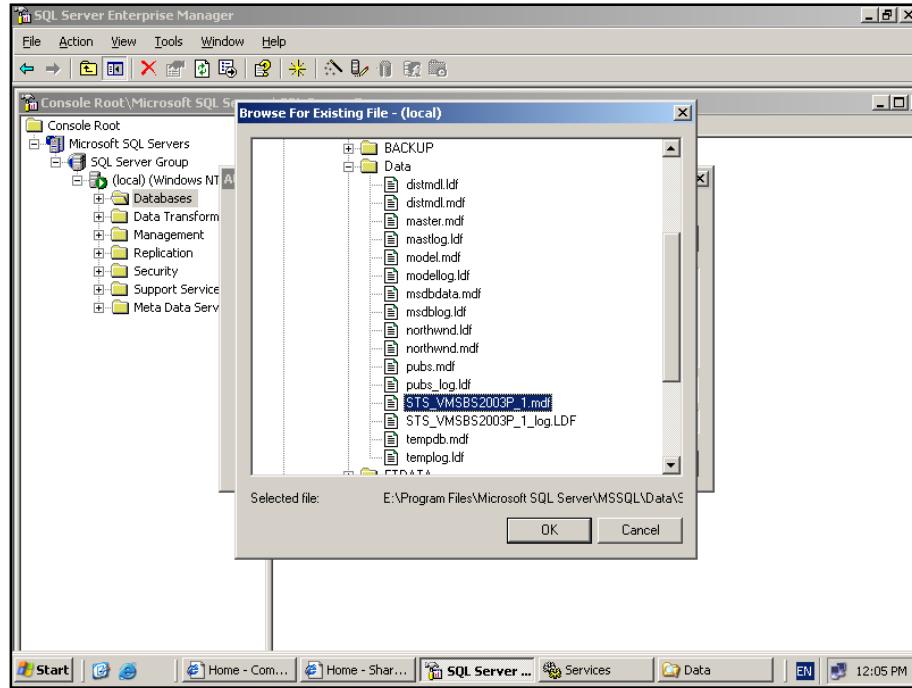
Attaching databases using SQL 2000

Microsoft SQL Server 2000 Standard was available with Windows Small Business 2003 Premium. Windows Small Business Server 2003 R2 Premium contains Microsoft SQL Server 2005 Workgroup Edition.

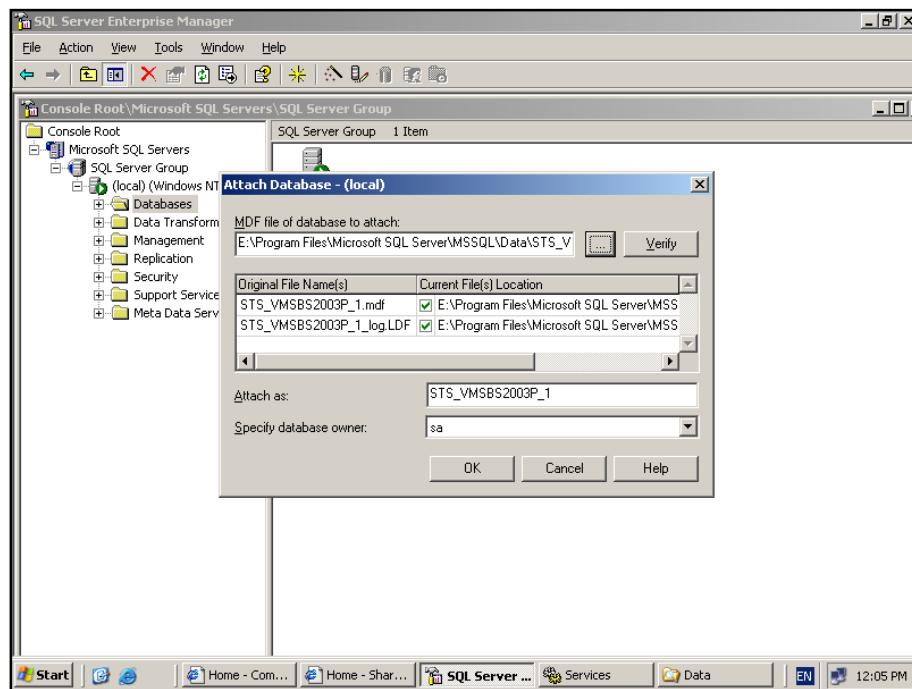


Start the SQL 2000 Enterprise manager via **Start | All Programs | Microsoft SQL Server | Enterprise Manager**. Under the icon for the local server you will find a folder called **Databases**. **Right mouse click** on this folder and select **All Tasks** then **Attach Database** from the menu that appears.

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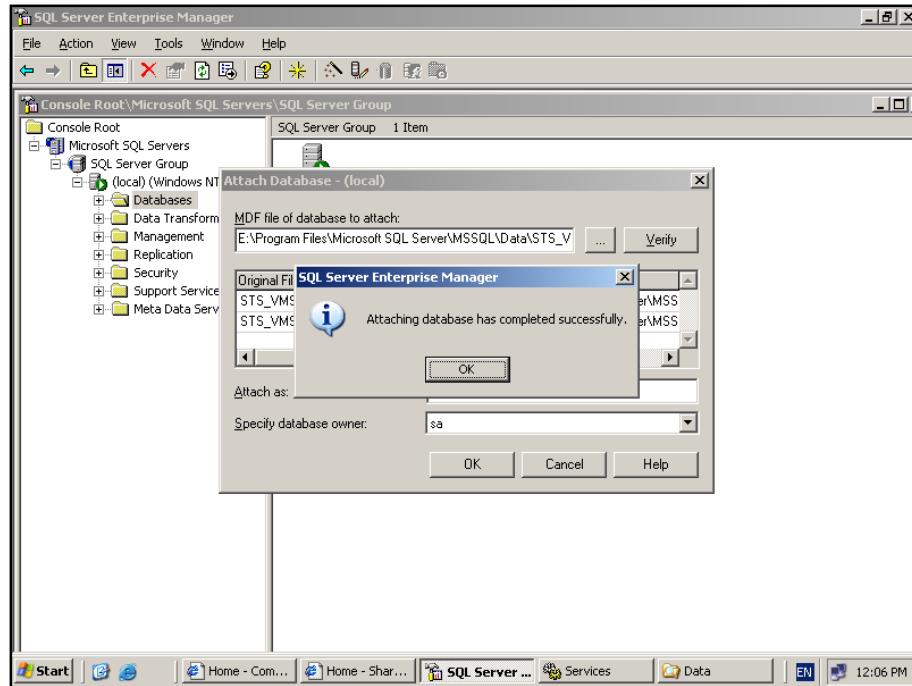


Browse through the locations on the server until you locate the place where you copied the SharePoint v2 databases to (in this case *E:\program files\ Microsoft sql server\mssql\data*). You now see the database files listed, simply select the MDF (in this case **STS_VMSBS2003P_1.MDF**) and click **OK**.

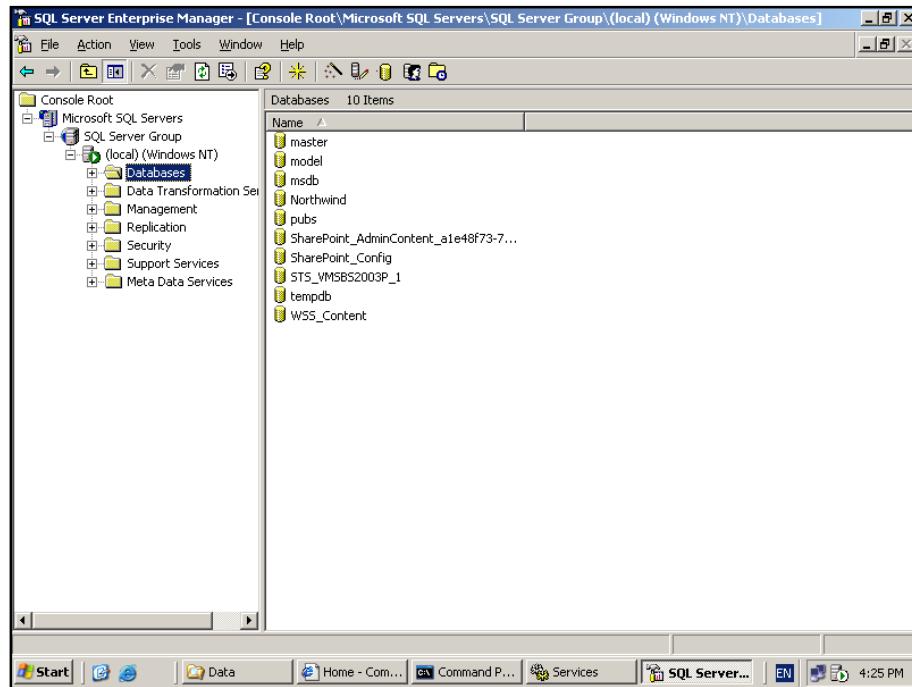


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Verify that the information is correct and press **OK** to attach these databases to your SQL 2000 instance.



You should now receive a message confirming that the attach process has completed successfully. Press the **OK** button to continue.

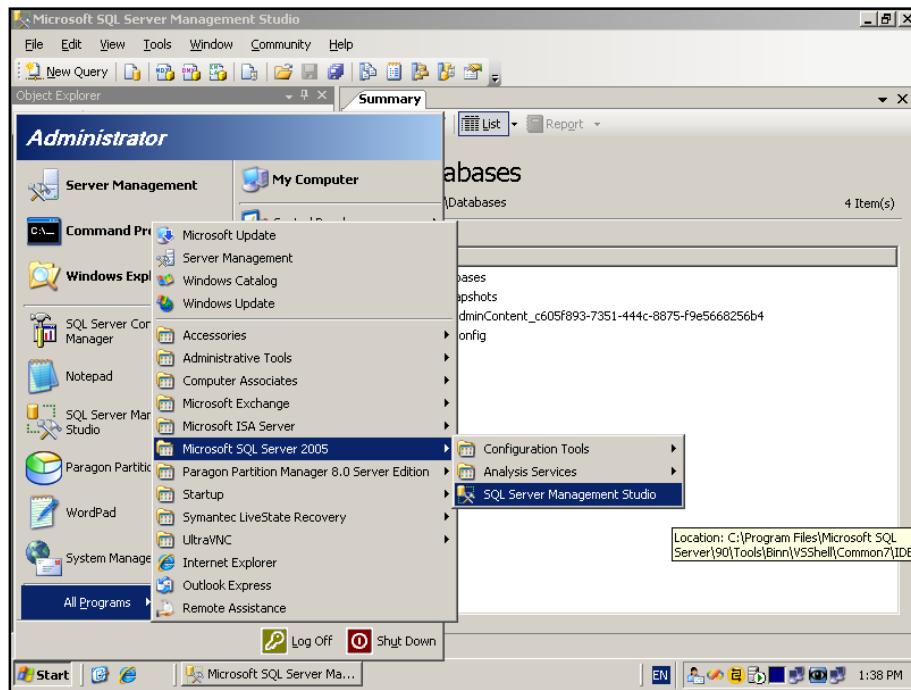


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If you now examine all the databases listed under the Databases folder you should see your SharePoint v2 database (in this case STS_VMSBS2003P_1). Note that you will also see the WSS v3 database (in this case WSS_content) that was installed during the setup of WSS v3 on Windows Small Business Server 2003. If you have not already taken note of what the WSS v3 database is you should do it now for later reference. By default, WSS v3 creates a database called WSS_Content during installation.

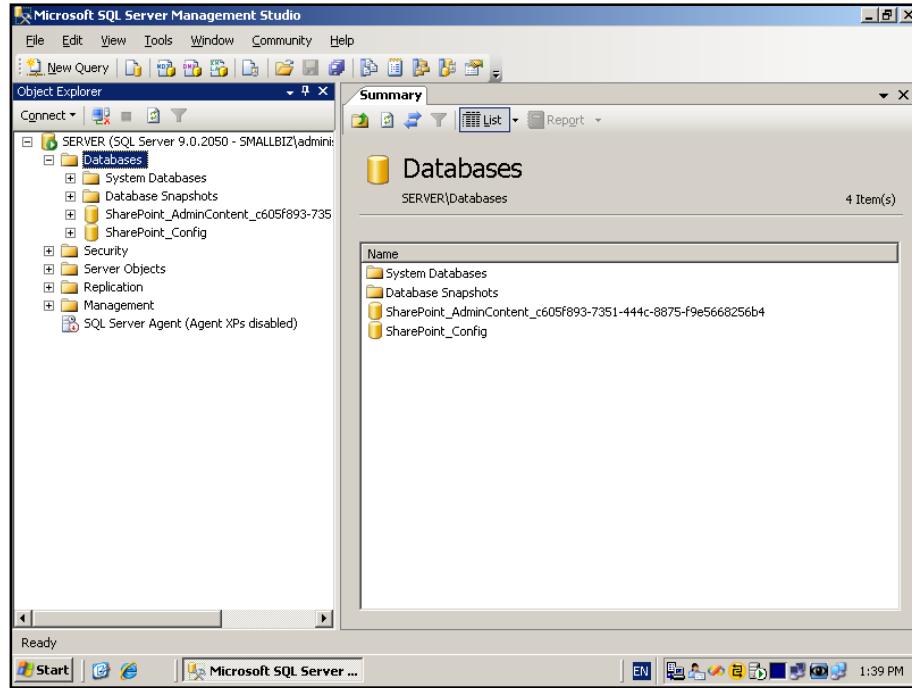
Attaching databases using SQL 2005

Microsoft SQL Server 2005 Workgroup is part of Windows Small Business Server 2005 R2, however you can also have WSS v3 installed on any Windows Small Business Server 2003 with Microsoft SQL Server 2005 Embedded Edition, SQL Server 2005 Express or SQL Server 2005 Standard. For more information about databases see **Chapter 8 – Database Operations**. The graphical management tool for all these versions is virtually identical.

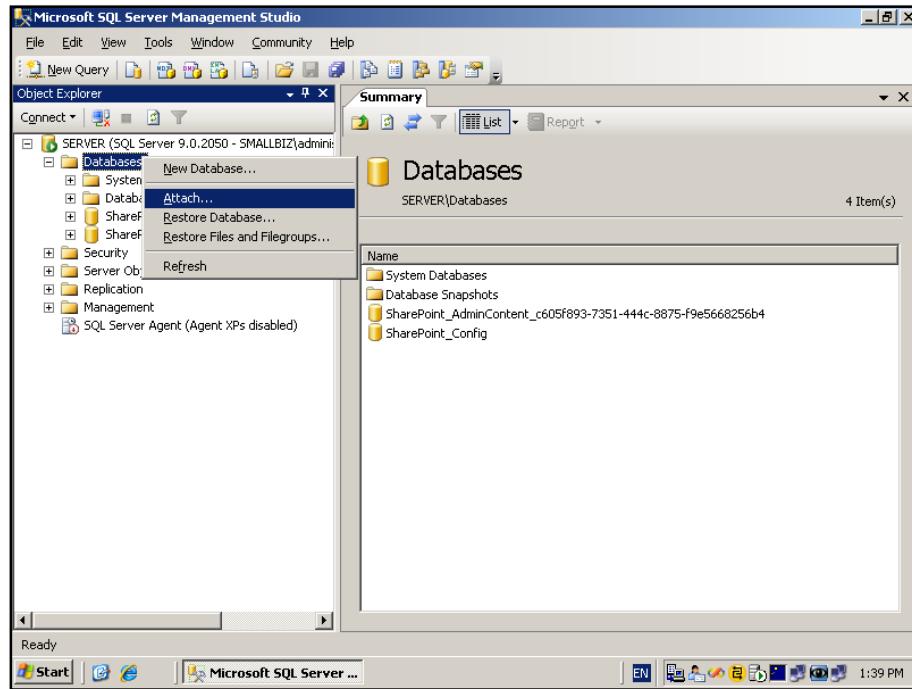


Launch the SQL 2005 Server Management Studio via **Start | All Programs | Microsoft SQL Server 2005 | SQL Server Management Studio**.

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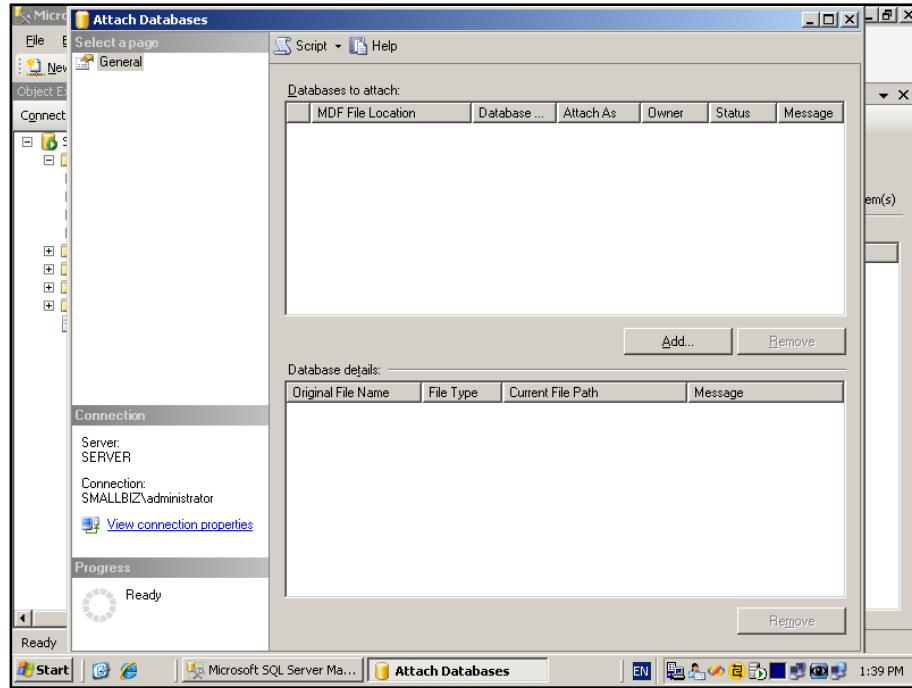


Locate the *Database* folder under the *Server* name.

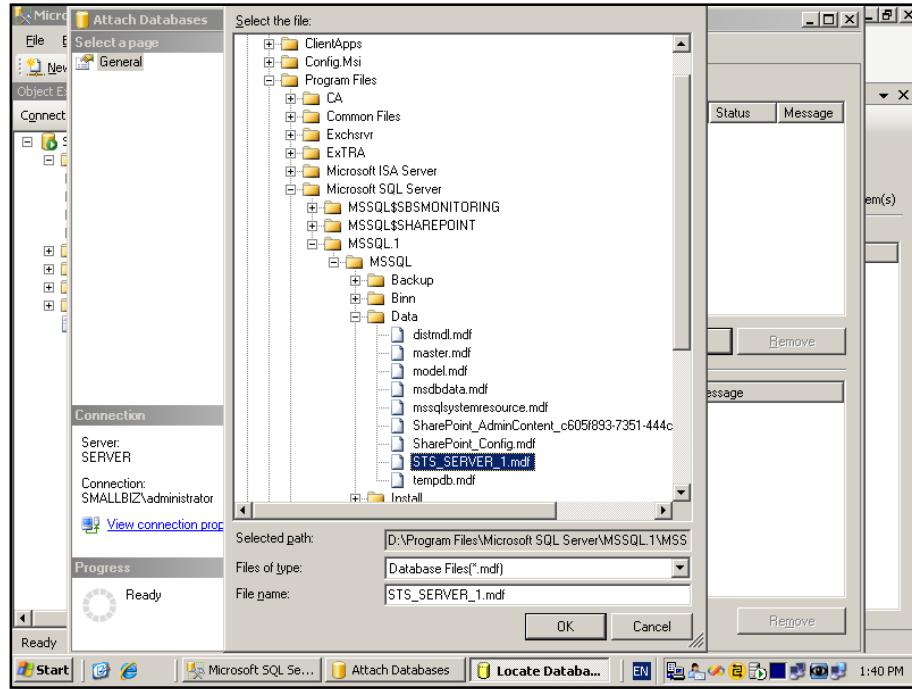


Right mouse click the *Database* folder and select **Attach** from menu that is displayed.

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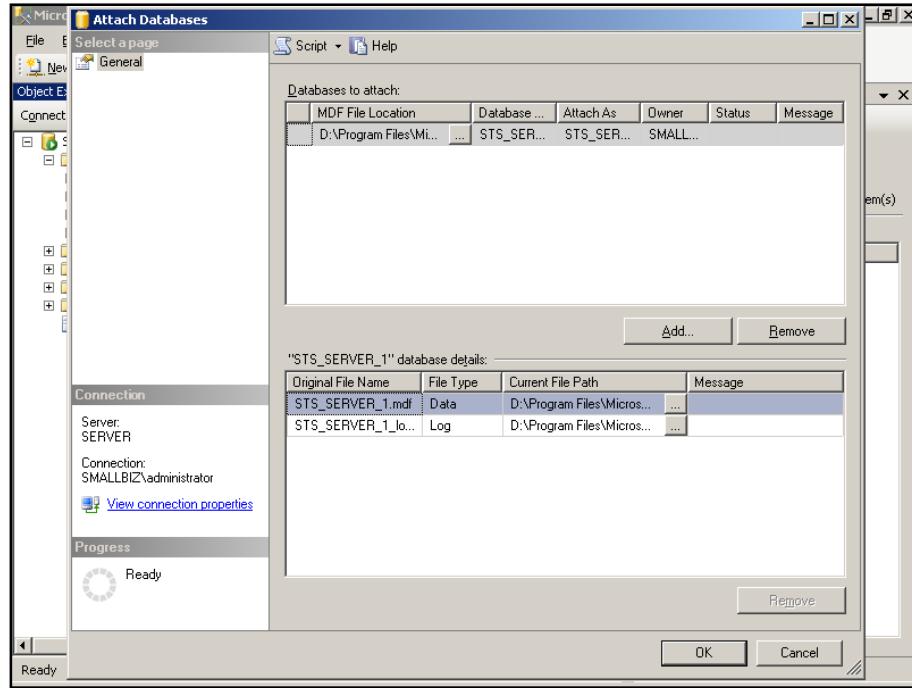


Press the **Add** button to locate the SharePoint v2 database that you previously copied.

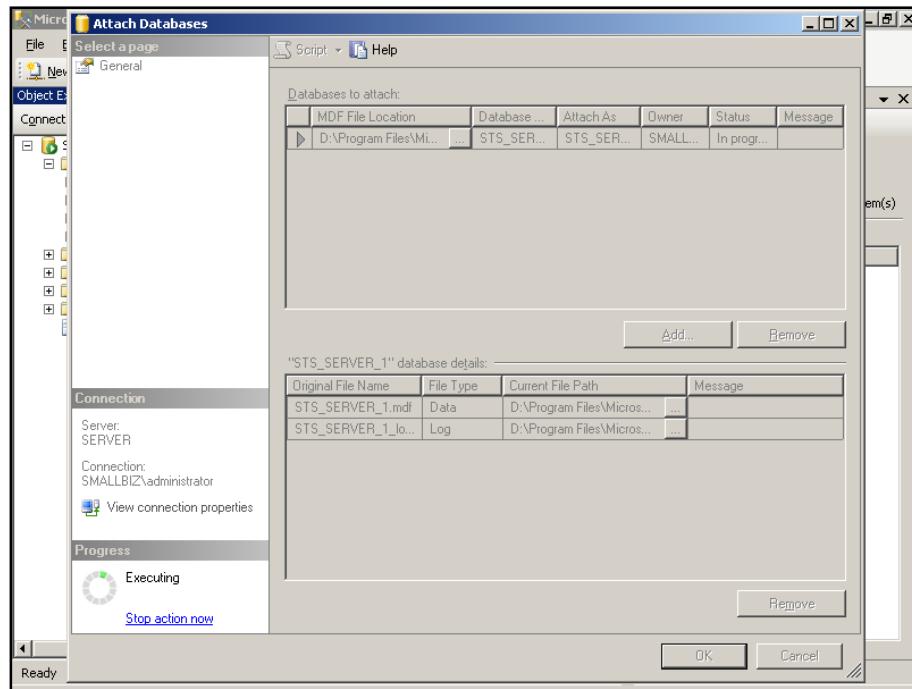


Navigate to the location on the disk in which you saved the copy of the original SharePoint v2 database. Select the MDF file (here *STS_SERVER_1.mdf*) and press the **OK** button.

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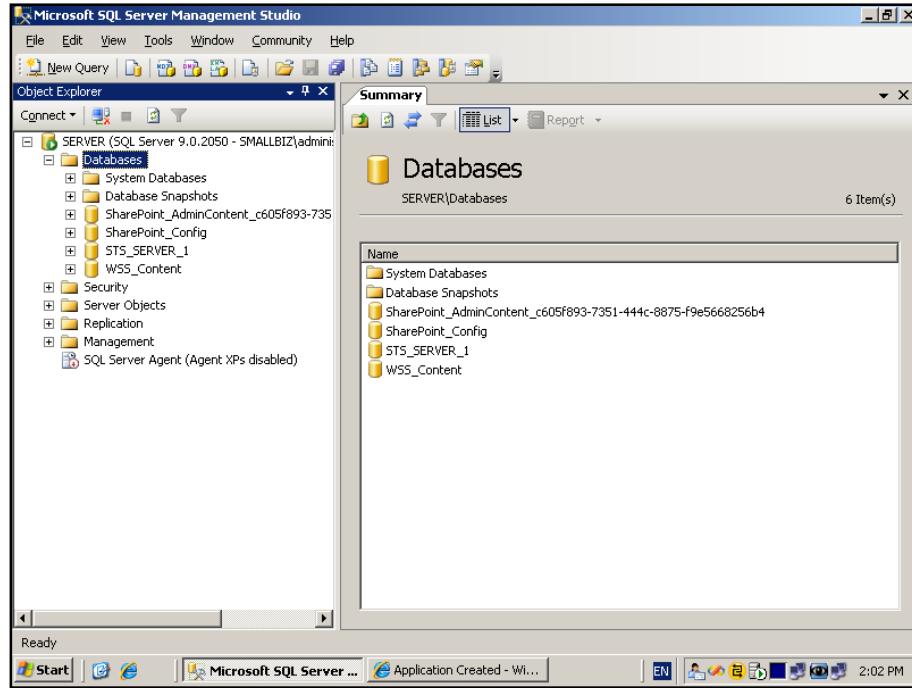


Check that all the information now displayed is correct and when complete press the **OK** button to continue.



SQL Server 2005 will now attach the database. You should see the word *Executing* displayed in the lower left of the screen during this process.

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When the process is complete, if you now examine all the databases listed under the *Databases* folders you should see your SharePoint v2 database (in this case **STS_VMSBS2003P_1**). Note, that you will also see the WSS v3 database (in this case **WSS_Content**) that was installed during the setup of WSS v3 on Small Business Server. If you have not already taken note of what the WSS v3 database is you should do it now for later reference. By default, WSS v3 creates a database called **WSS_Content** during installation.

Attaching databases using Microsoft SQL Server 2005 Embedded Edition

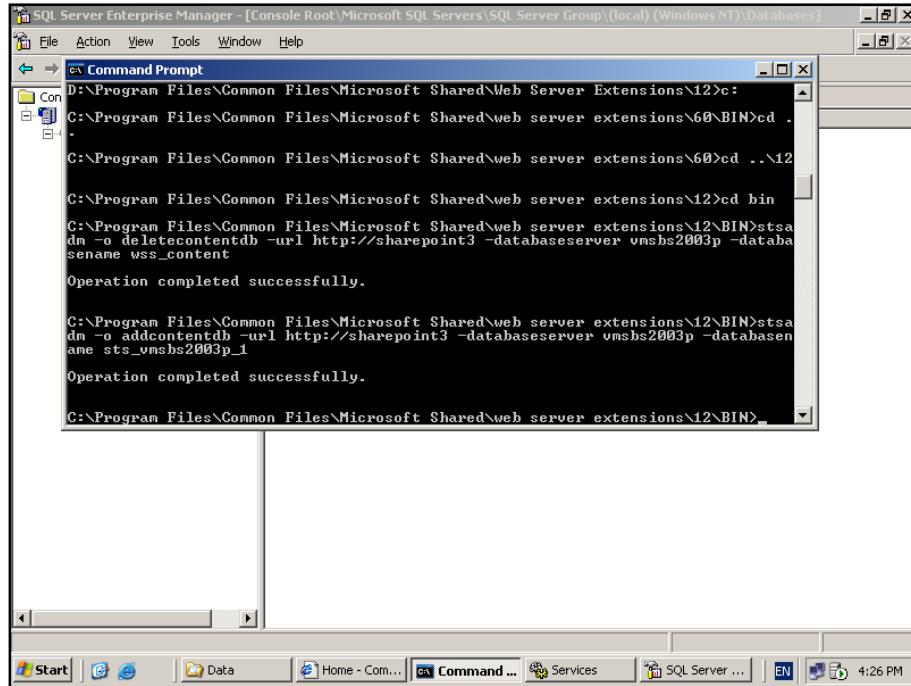
The process of attaching databases using the default Microsoft SQL Server 2005 Embedded Edition is very similar to the method described above for SQL Server 2005. There are however a number of unique differences, the first being that the graphic management utilities have to be downloaded and installed independently and secondly the actual method of connection to the databases stored by SQL Server 2005 Embedded Edition.

Information about all these requirements and more is covered in **Chapter 8 – Database operations**.

Adding database to WSS v3

Once the old SharePoint v2 databases have been attached to SQL Server the next step is to connect these databases to WSS v3.

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Open a DOS prompt on the WSS v3 server via **Start | Run | Cmd**. Change directory to *c:\program files\common files\Microsoft shared\web server extensions\12\bin* and execute the following command to remove the existing WSS v3 database.

```
stsadm -o deletecontentdb -url http://<new WSS v3 site> -databaseserver  
<SQL_SERVER_NAME> -databasename <OLD WSS v3 DATABASE>
```

in this case

```
stsadm -o deletecontentdb -url http://sharepoint3 -databaseserver VMSBS2003P -  
databasename WSS_CONTENT
```

Note, that if you are using the SQL Server 2005 Embedded Edition (SSEE##) that installs with the default standalone installation of WSS v3 you do not need to specify the database server. That is, you should leave out the option –databaseserver *<SQL_SERVER_NAME>*

Where *http://sharepoint3* is the new WSS v3 created during installation of WSS v3, *VMSBS2003P* is the name of the Windows Small Business Server 2003 and *WSS_CONTENT* is the default name of the WSS v3 content database created during installation of WSS v3 onto Small Business Server. If you have made changes from the default during the installation some of these values will be different for you.

It is important to remember that this process will remove all the existing content from the WSS v3 site. In most cases there is nothing there except the default site, however if

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you have already started customizing WSS v3 after installation then you may to consider another method of migration.

You now need to add the migrated SharePoint v2 databases that you have previously attached to SQL Server to the new WSS v3 site. The addcontentdb process will allow you to do this and automatically upgrade your SharePoint v2 data into WSS v3. Execute the following command to add the existing old SharePoint database to the new WSS v3 site.

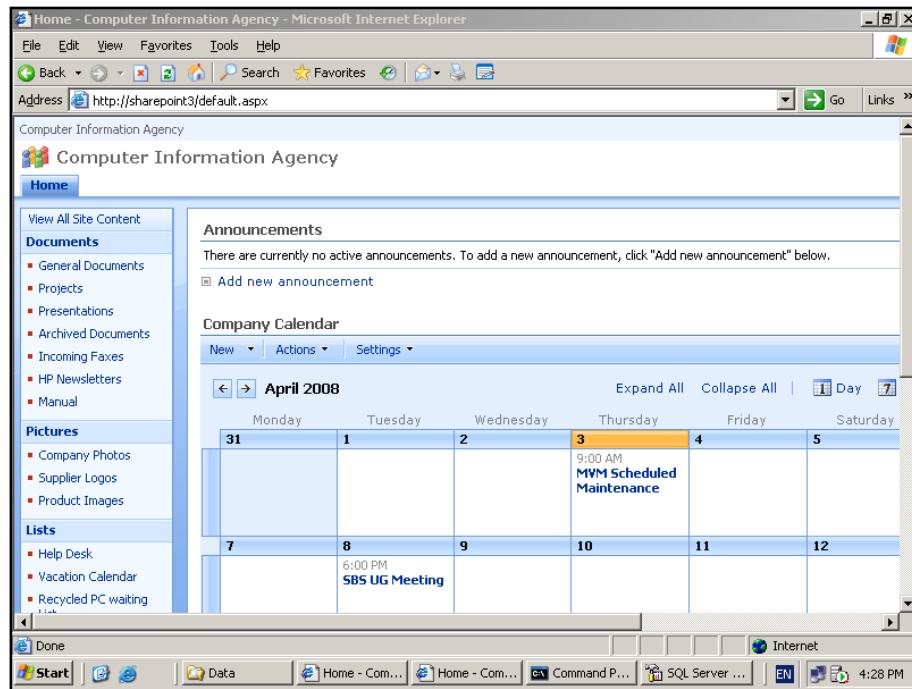
```
stsadm -o addcontentdb -url http://<new WSS v3 site> -databaseserver  
<SQL_SERVER_NAME> -databasename <Old Sharepoint v2 database>
```

in this case

```
stsadm -o addcontentdb -url http://sharepoint3 -databaseserver VMSBS2003P -  
databasename STS_VMSBS2003p_1
```

Note, that if you are using the Microsoft SQL Server 2005 Embedded Edition (SSEE##) that installs with the default standalone installation of WSS v3 you do not need to specify the database server. That is you should leave out the option –databaseserver <SQL_SERVER_NAME>

You should receive a message telling you that the process completed successfully.

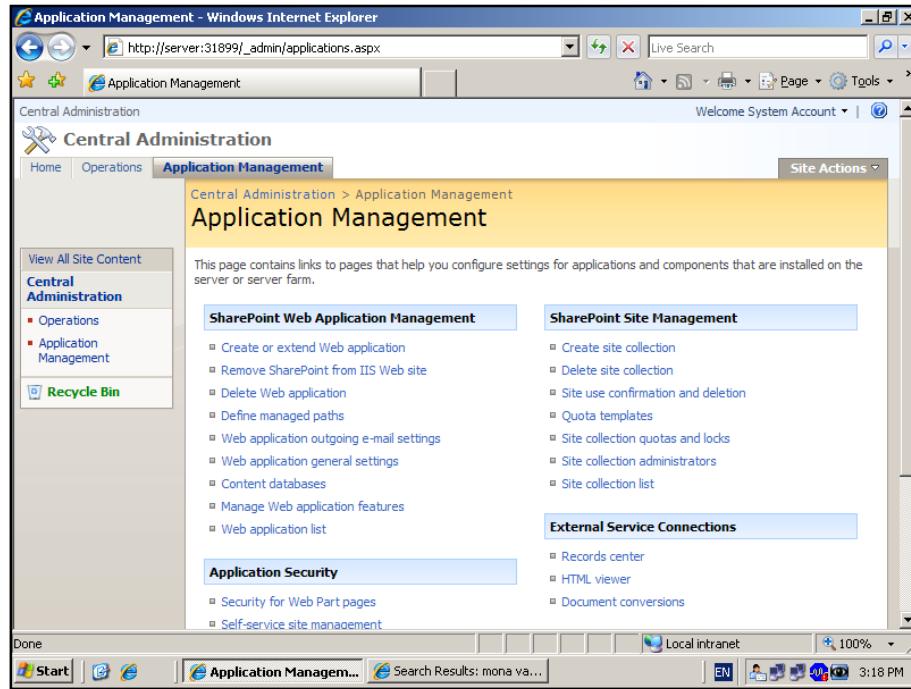


Once the process is complete, open your WSS v3 site and confirm that the data is present and correct.

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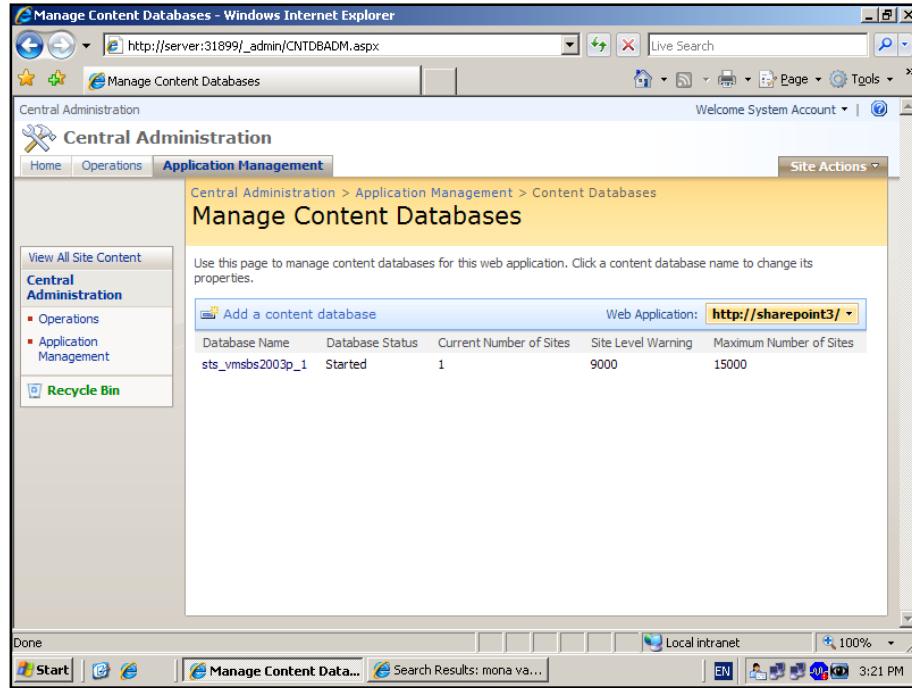
Since the WSS v3 content database has changed we need to assign a search server.

Run the SharePoint 3.0 Central Administration on the server by logging into the server as an administrator and then select **Start | Administrative Tools | SharePoint 3.0 Central Administration**.

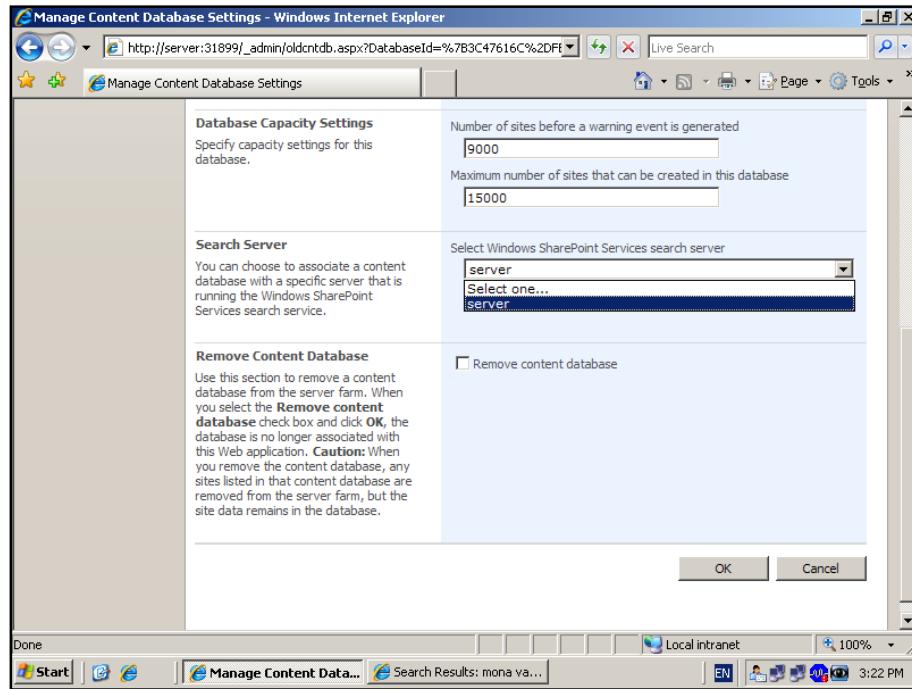


Select the *Application Management* tab. Then select **Content databases** from the *SharePoint Web Application Management* section.

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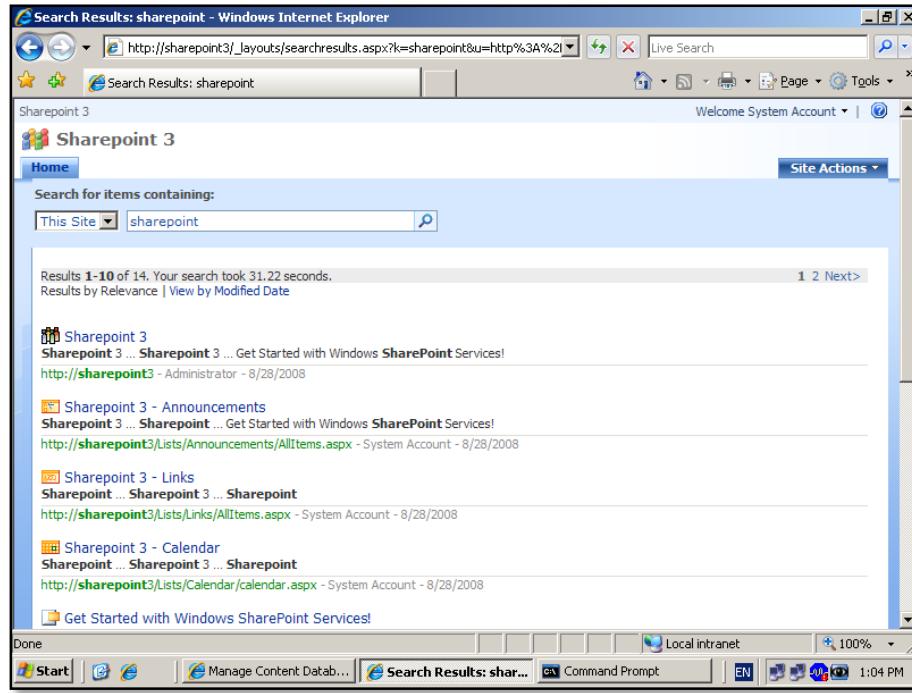
Click on the content database (in this case `sts_vmsbs2003p_1`).



Scroll down the screen until you locate the *Search Server* section. From the drop down menu select the name of your WSS v3 server.

Press **OK** to save the new configuration.

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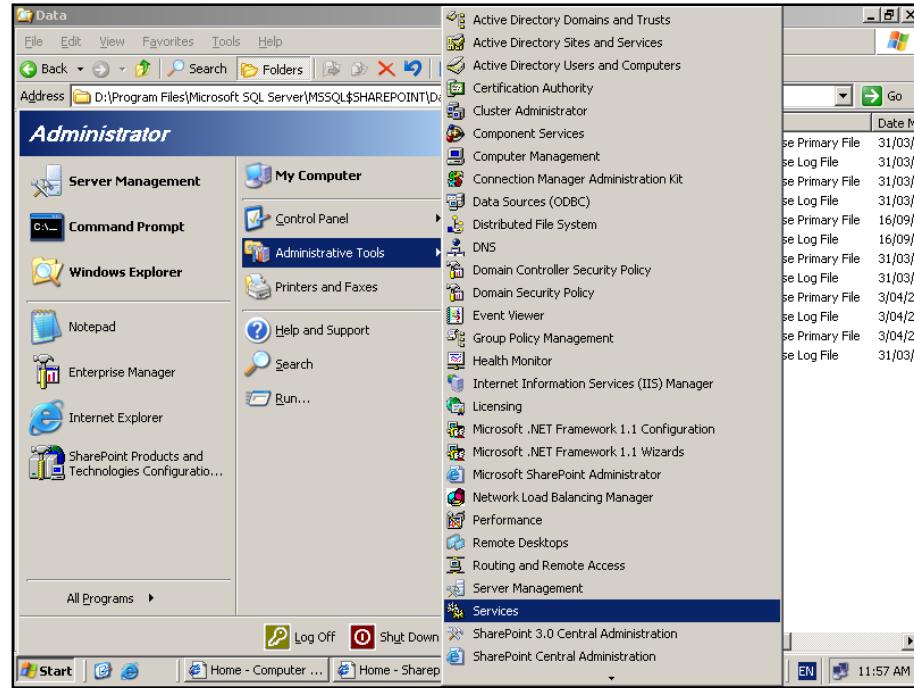


If you now return to your WSS v3 site and enter in a search request you should see the results displayed. Remember that search results will not display until an index crawl has completed.

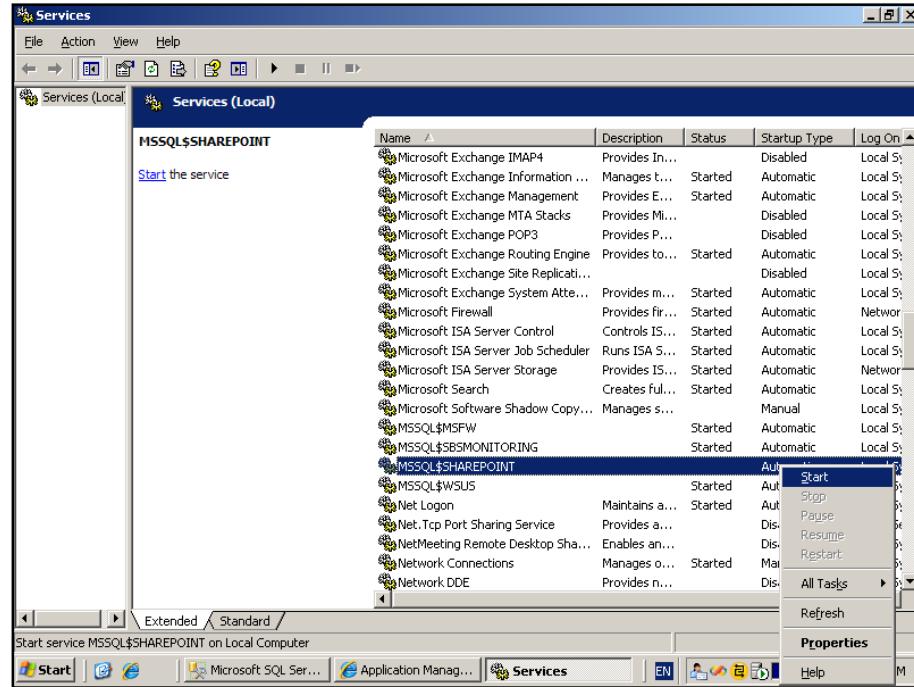
Restarting your old SharePoint V2 site

Since the data that you now have in WSS v3 is a copy of your original SharePoint v2 it is possible to restart the SharePoint v2 services and have <http://companyweb> running in parallel with the new WSS v3 site. Whether you wish to allow your users access to both versions simultaneously is a business decision for the customer. Normally, it would be suggested to close down the original SharePoint v2 site and migrate all the users across to the new WSS v3 site.

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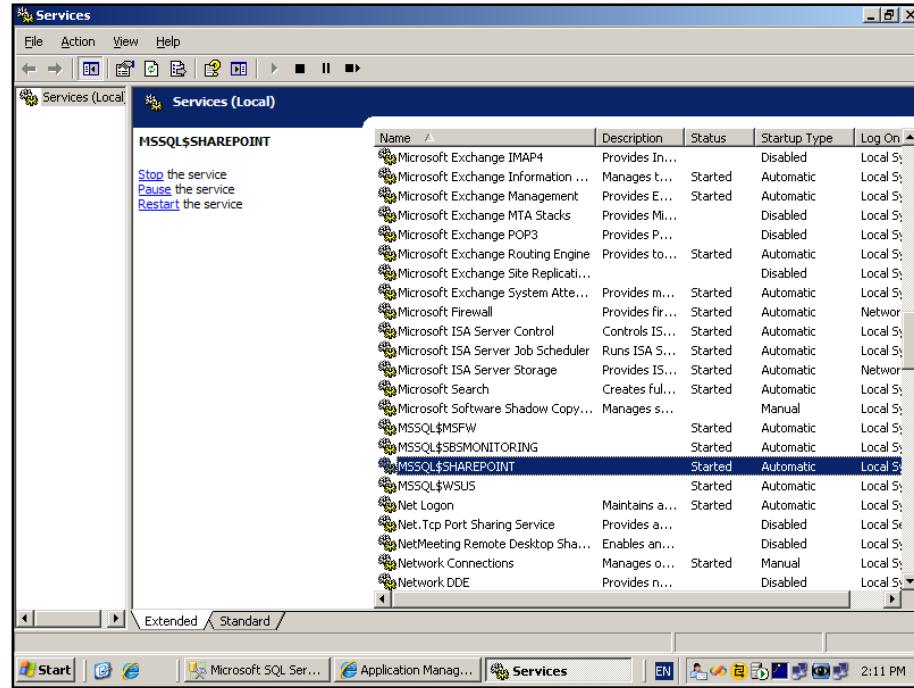


To restart the SharePoint v2 service go **Start | Administrative Tools | Services**.



Locate the service named **MSSQL\$SBSSHAREPOINT** that is current stopped, **right mouse click** on the service and select **Start** from the list that appears.

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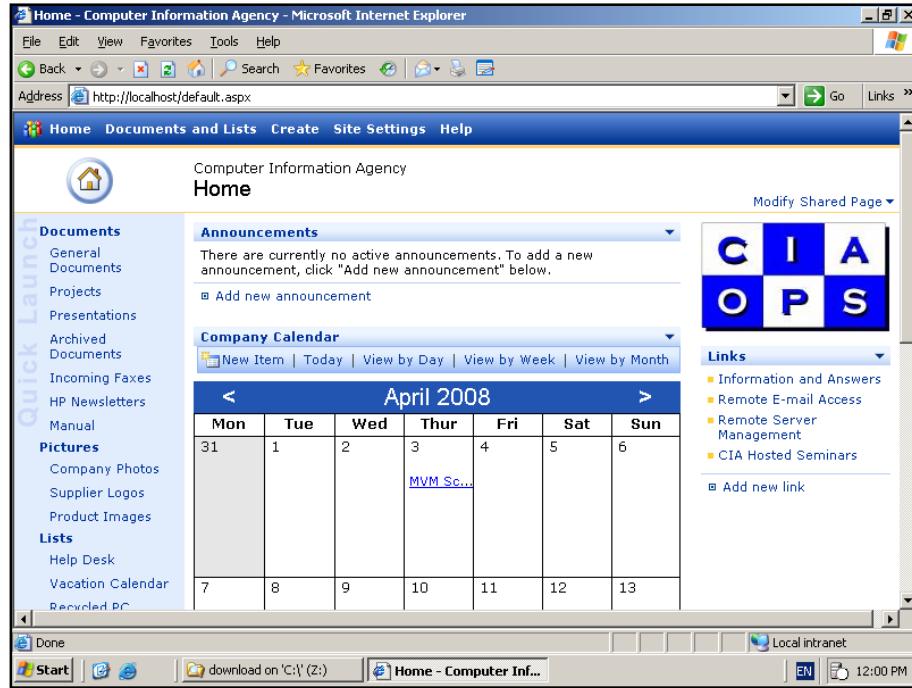
When this process is complete you should see *Started* in the *Status* column for that service, this indicates that the service is now running. Close the *Services* window.

If you do elect to run the old version of SharePoint and the new WSS v3 site, remember that they both point to a different set of data. Any changes in one will not be seen in the other since they both independent of each other. In this case it is usually best to migrate network users onto the new WSS v3 site and disable the old SharePoint v2 site.

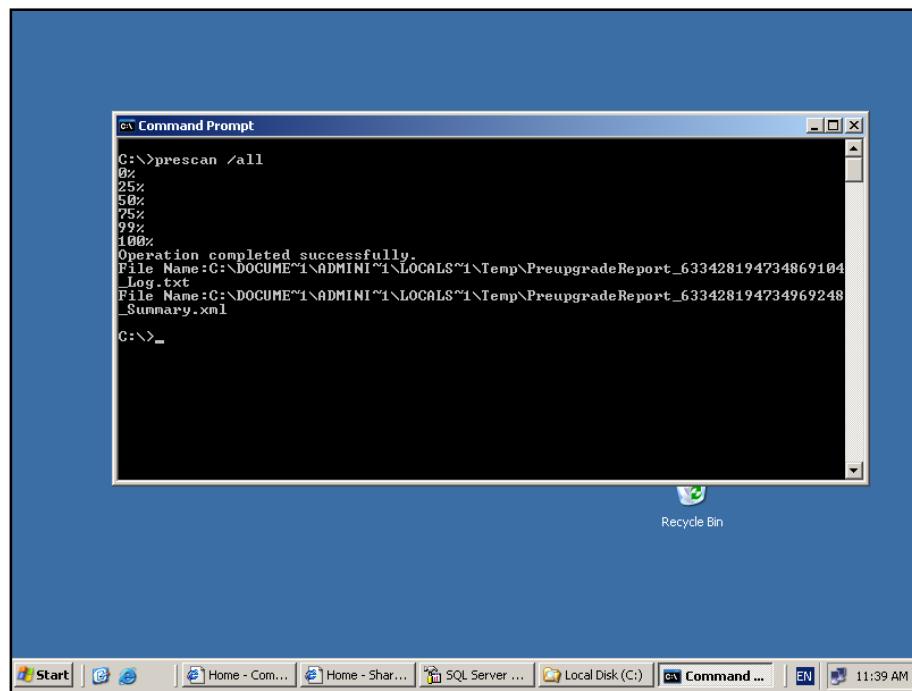
7.4 In place upgrade

It is possible to perform an in-place upgrade from SharePoint v2 to WSS v3 provided it isn't on Windows Small Business Server 2003, for that you must do a side by side installation. For more information see - **Chapter 4 – Installing onto Windows Small Business server 2003.**

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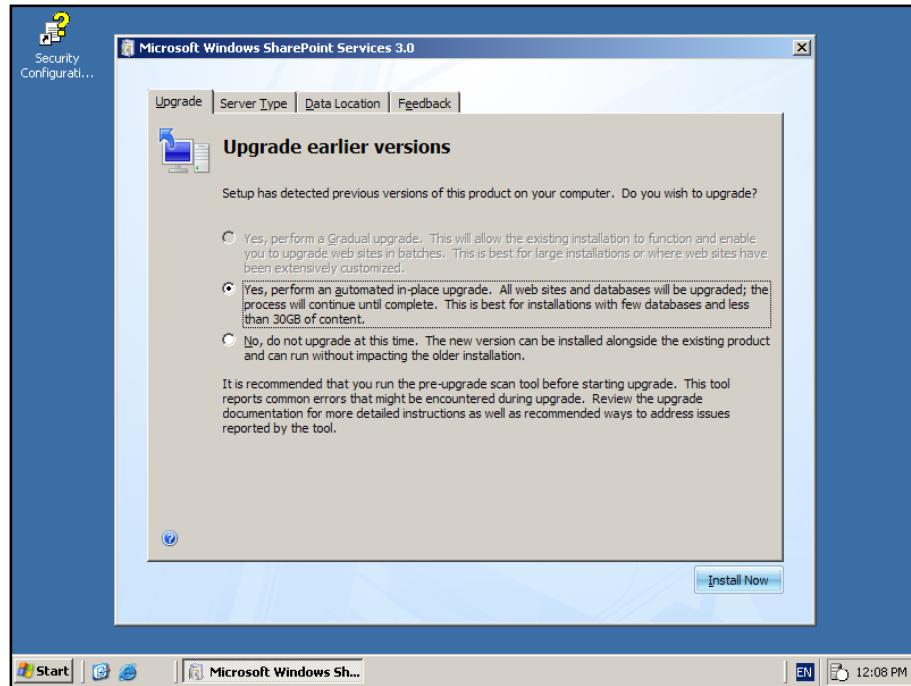
Initially, ensure that your existing SharePoint v2 site is operating correctly. As always, prior to any migration run the *prescan.exe* tool to ensure there are no errors.



At the command prompt type **prescan /all** and press **Enter**. The scanning tool will examine the existing SharePoint v2 databases and reports if there are any issues that may arise when you attempt to migrate. When the process is successful close the DOS

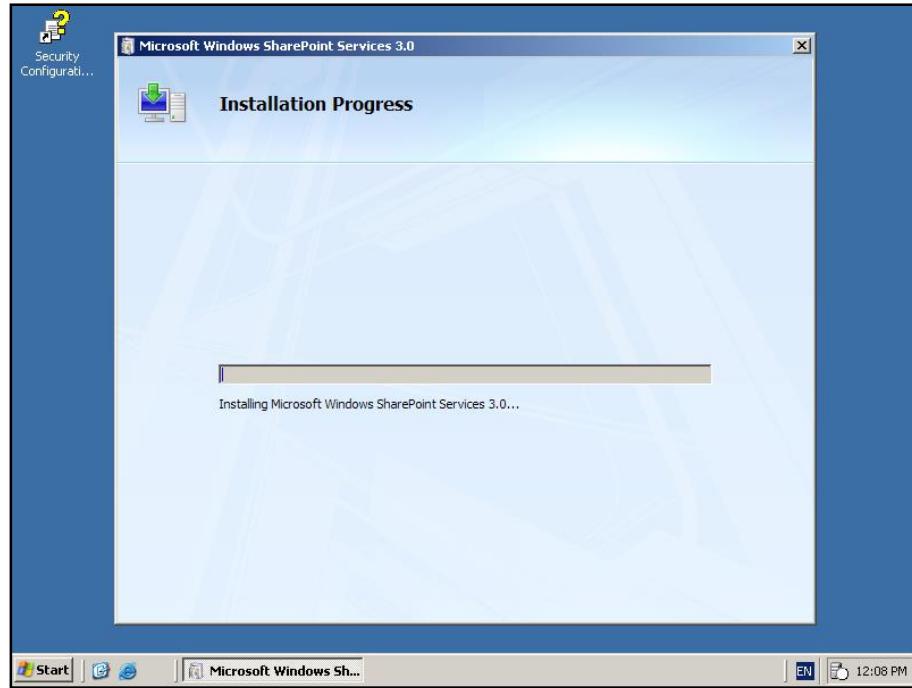
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prompt. Note that running prescan does not in any way affect or change the existing SharePoint v2 databases.

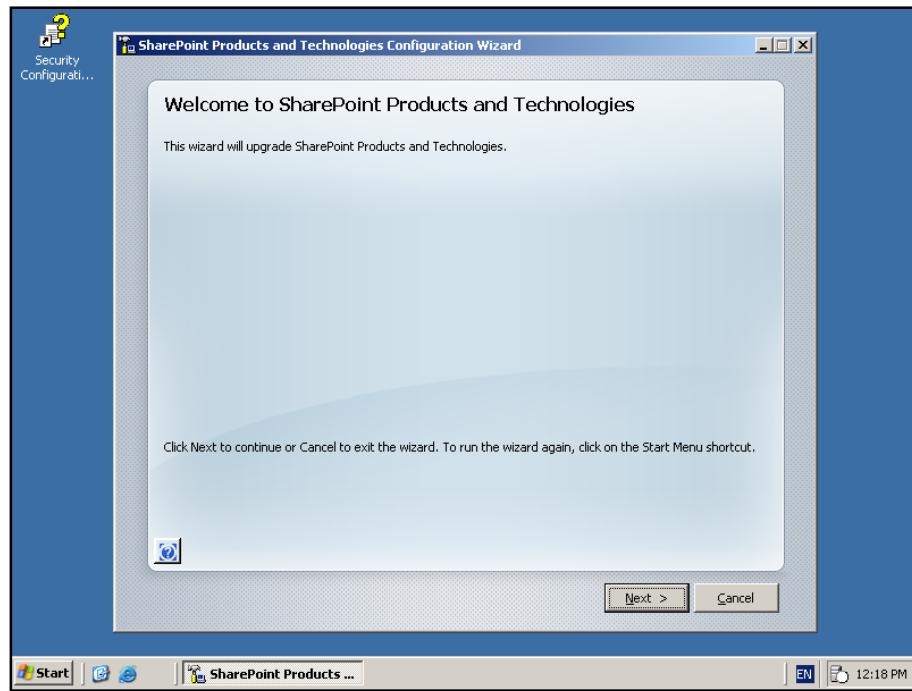


Commence the normal WSS v3 installation and accept the terms and conditions when they are displayed. When available select the option to *Yes, perform an automated in-place upgrade*. Set any other values required on the other tabs and press the **Install Now** button to continue.

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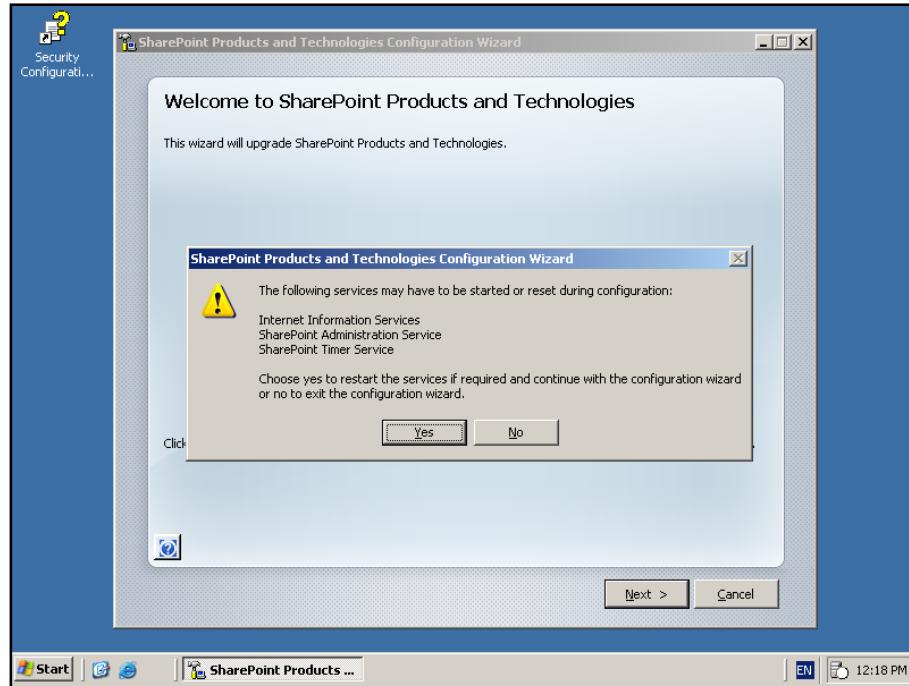


The WSS v3 installation process will commence. When this is complete allow the WSS v3 configuration wizard to run as normal.

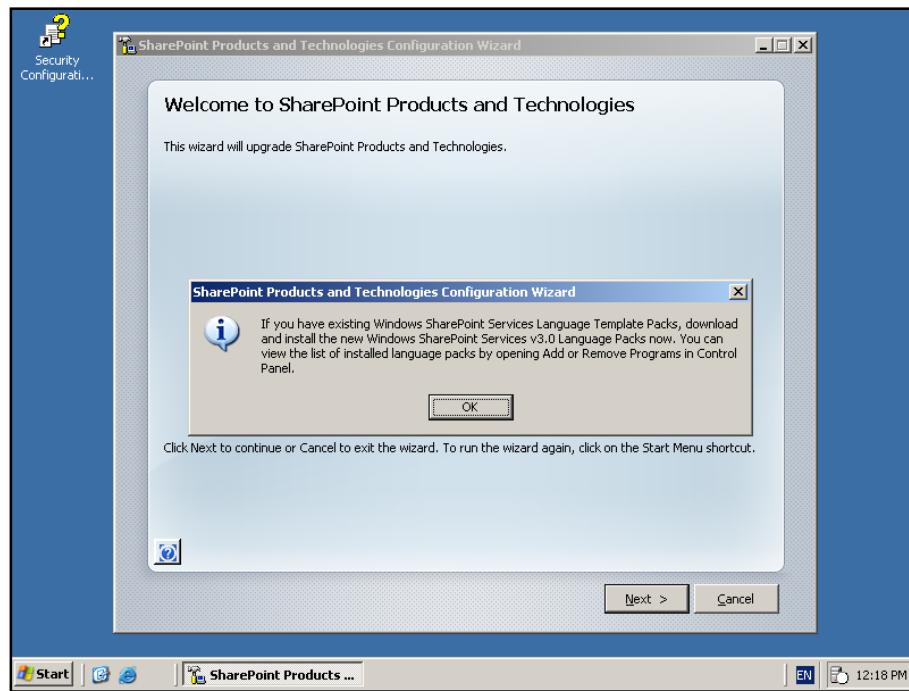


Press the **Next** button to continue.

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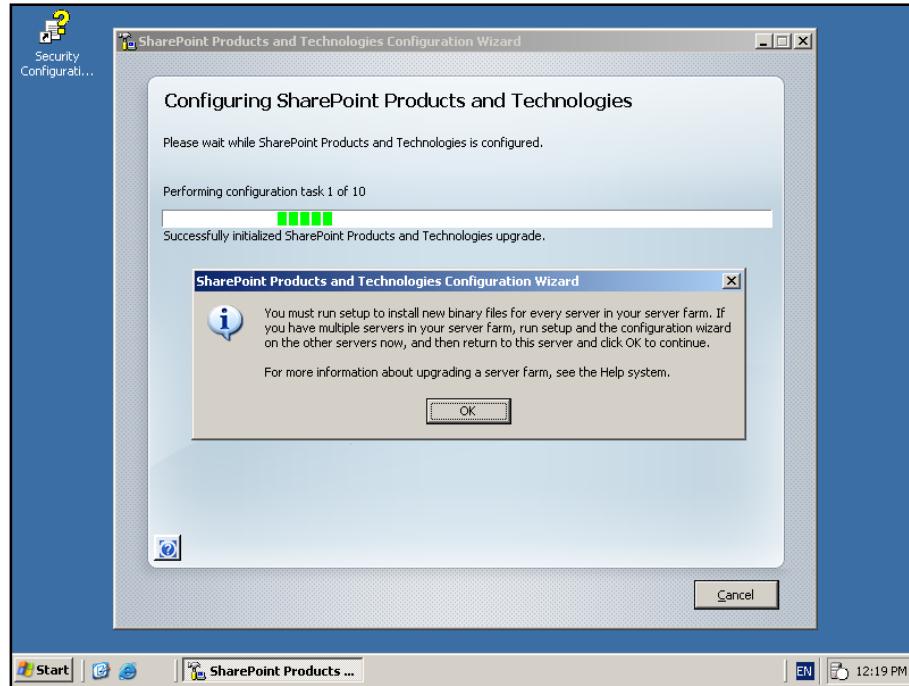


Press the **Yes** button to accept that a number of services will be restarted.

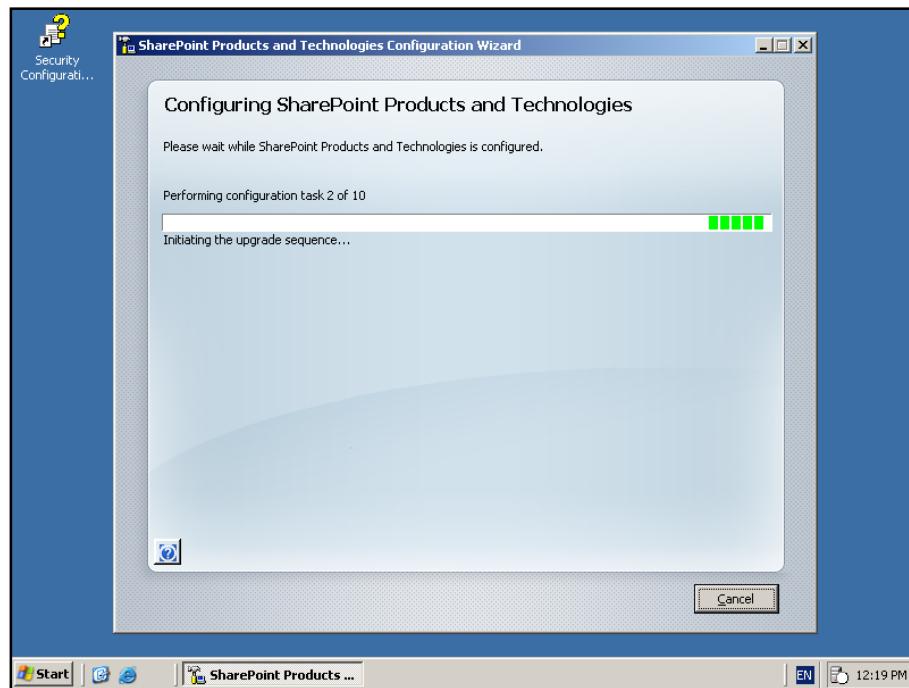


If you are using any language packs they need to be installed prior to the upgrade. Press the **OK** button to accept and continue.

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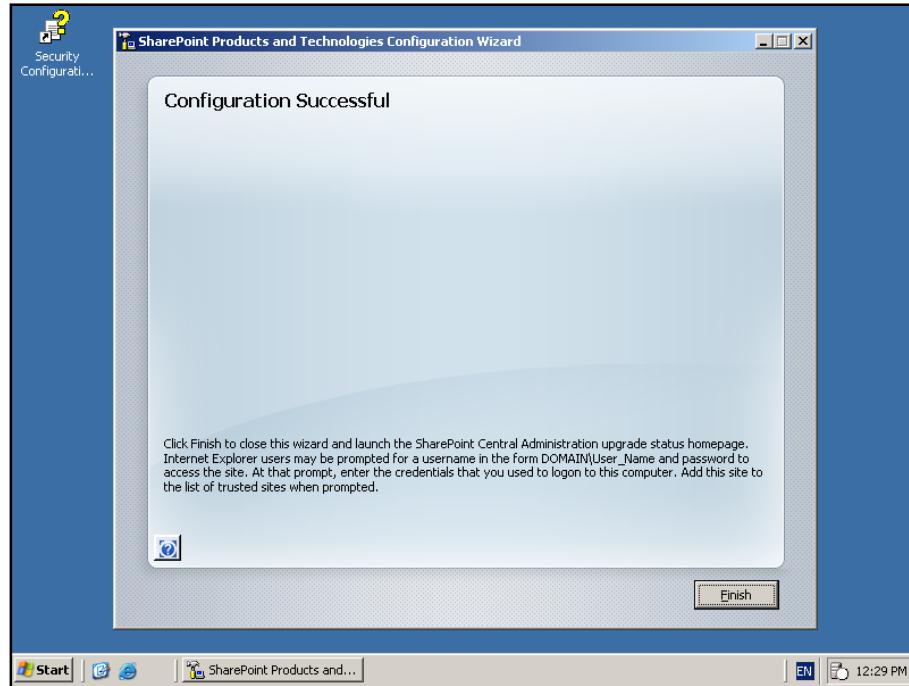


Press **OK** to continue.

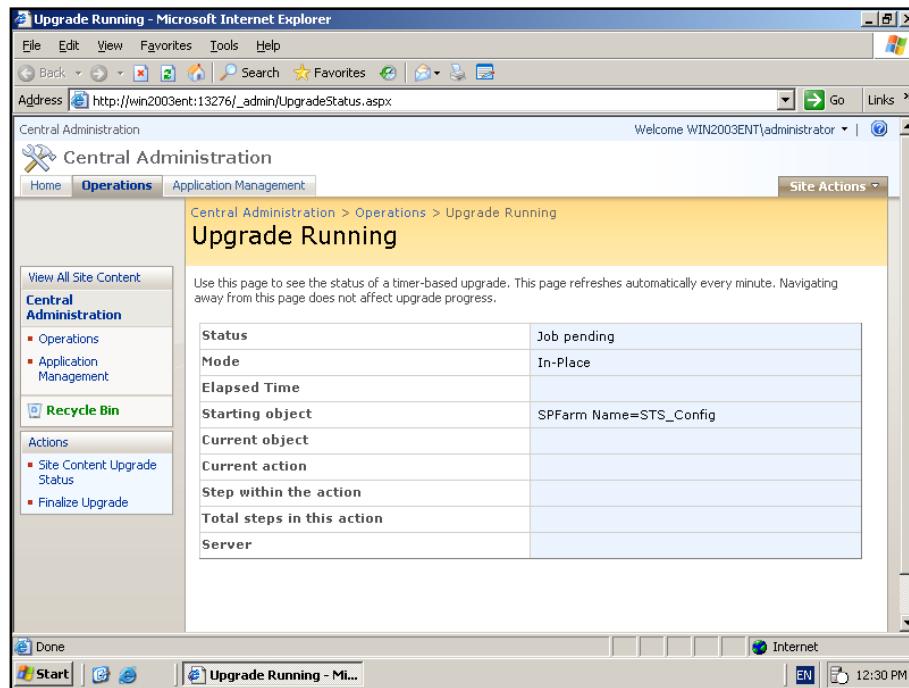


The configuration wizard will complete.

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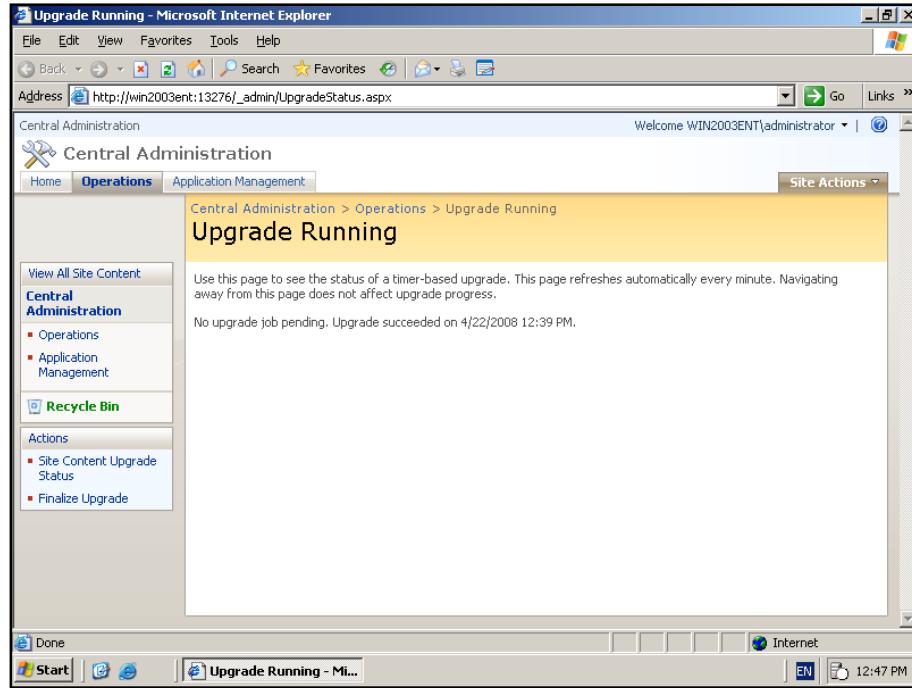


Press **Finish**.

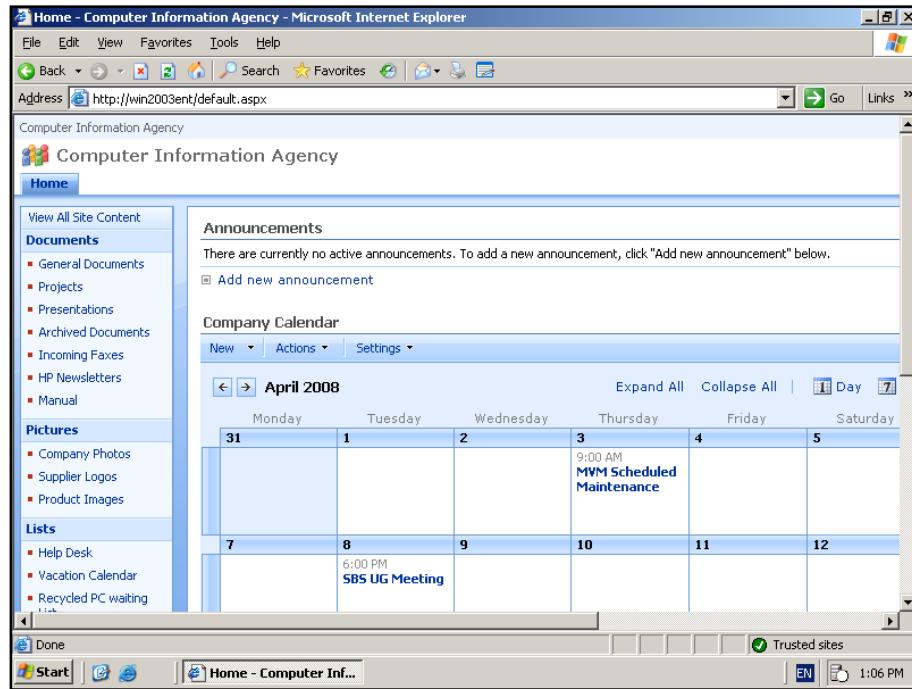


WSS v3 will now automatically open the Central Administration window and display the *Upgrade Running* information. At this point the existing SharePoint v2 site is being upgraded to WSS v3. This process will continue until complete and the time will depend on the size of the existing SharePoint V2 site.

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If you refresh the page you will finally see a message that the upgrade succeeded.



At this point you can now open the old SharePoint v2 address in your browser and you should see the new WSS v3 site with all the existing data.

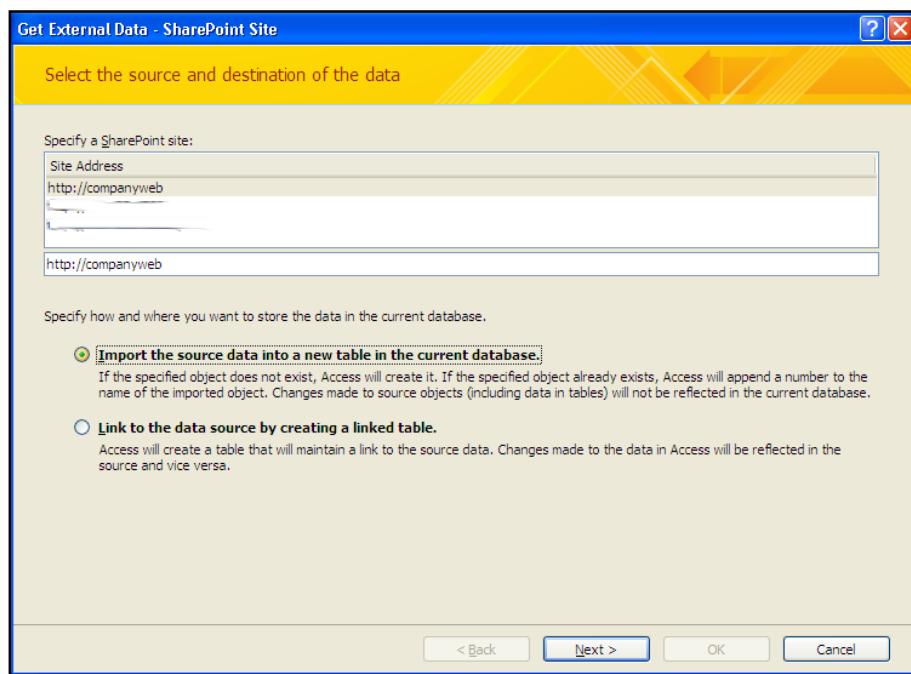
7.5 File migration

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Because SharePoint v2 can be used with Microsoft Office products you can also use these to migrate any existing data. The process will obviously be more involved and time consuming than migrating the entire database but may be necessary where you are doing a staged migration.

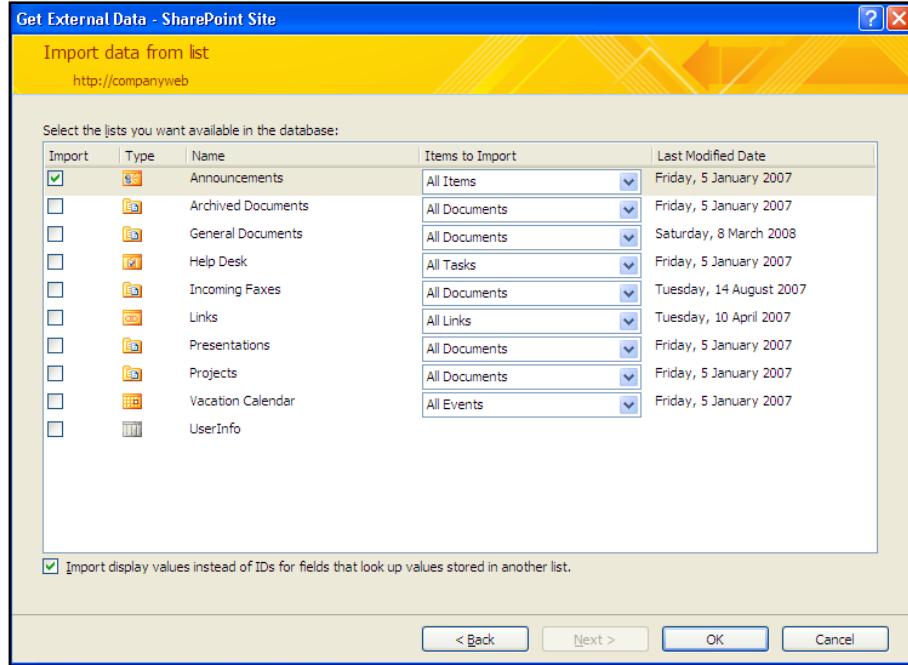
Using Access 2007 to migrate a SharePoint v2 list

Here is an example of how to migrate data from SharePoint v2 to WSS v3 using Microsoft Access 2007. Remember that this method can also be used for migrating data between WSS v3 sites as well.

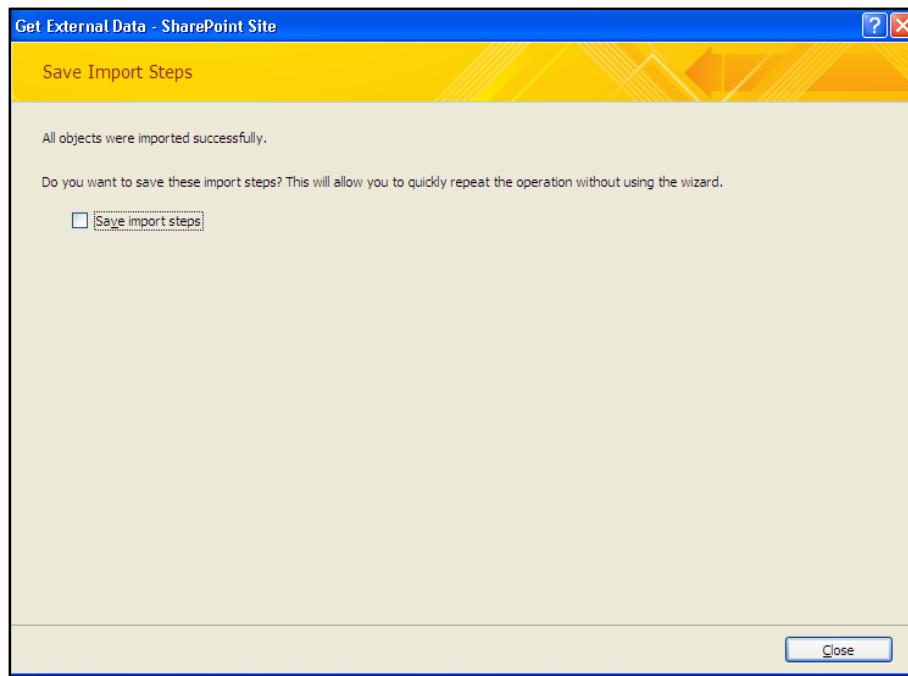


Open Microsoft Access and select the *Open* option after pressing the Office start button. In the dialog box that appears enter the name of the SharePoint v2 site (in this case <http://companyweb>). The above window should now appear. Enter the site name (in this case <http://companyweb>) to export data from and press *Next* to continue.

Chapter 7 – Migration and Upgrades

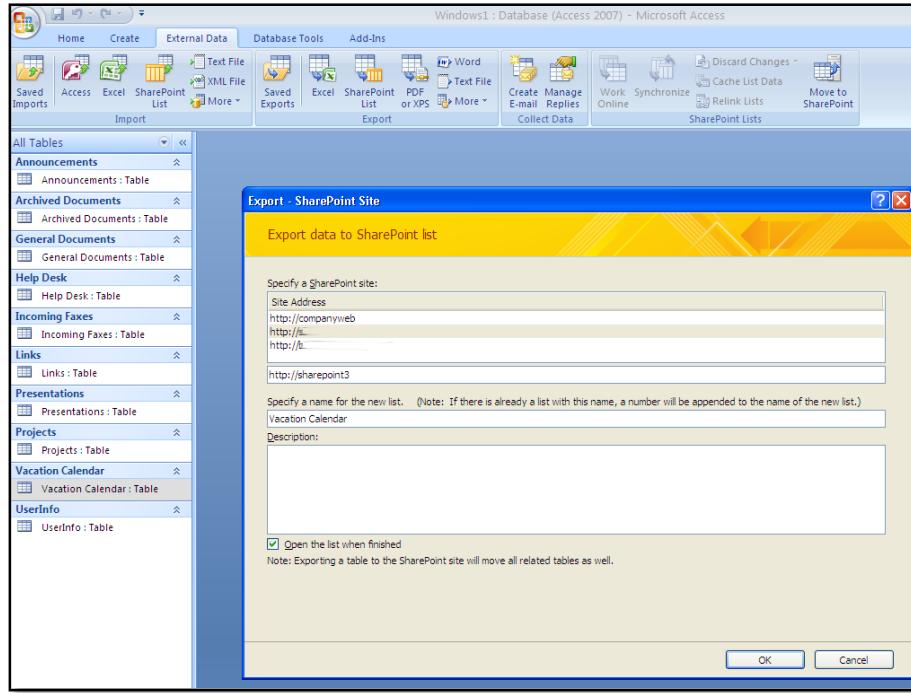


Next, choose what information to import from the site you wish to import by placing a tick in the *Import* column. Press **Ok** to continue.



Press **Close** to complete the process.

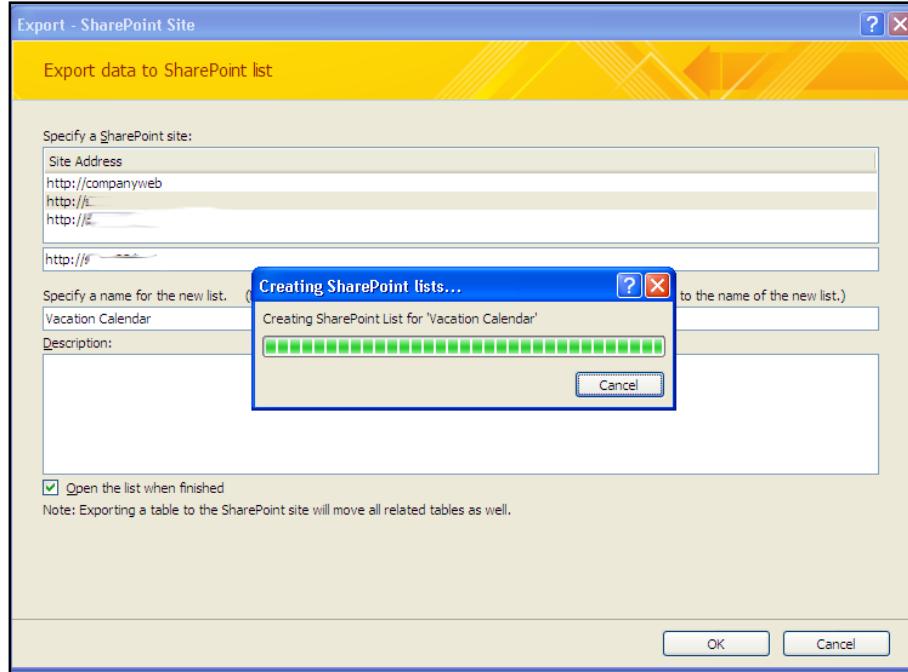
Chapter 7 – Migration and Upgrades



Now click the *External Data* tab on the ribbon menu in Microsoft Access. On the list of imported SharePoint v2 tables on the left select the desired one to export (in this case *Vacation Calendar*) to the new WSS v3 site and then select **SharePoint List** from the *Export* region in the ribbon bar.

When the window shown above asks you, enter the address of the new WSS v3 site (in this case <http://sharepoint>). Enter a description if necessary and press **OK** to continue.

Chapter 7 – Migration and Upgrades

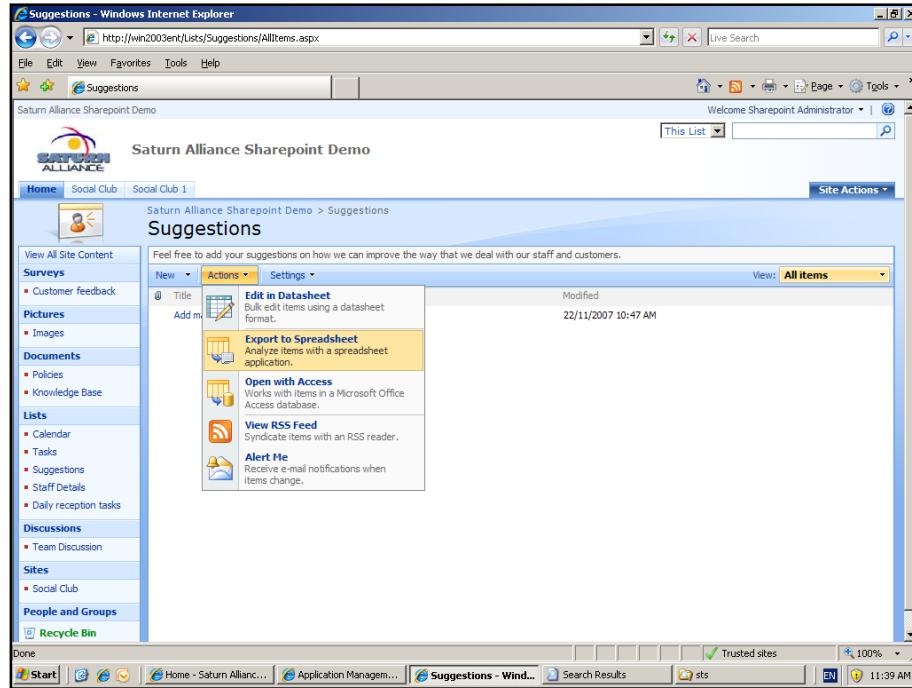


The export process will now commence. Upon successful completion the information should now be displayed in the new WSS v3 site in your browser. You can now return to Access 2007 and continue to export the remaining information to WSS v3.

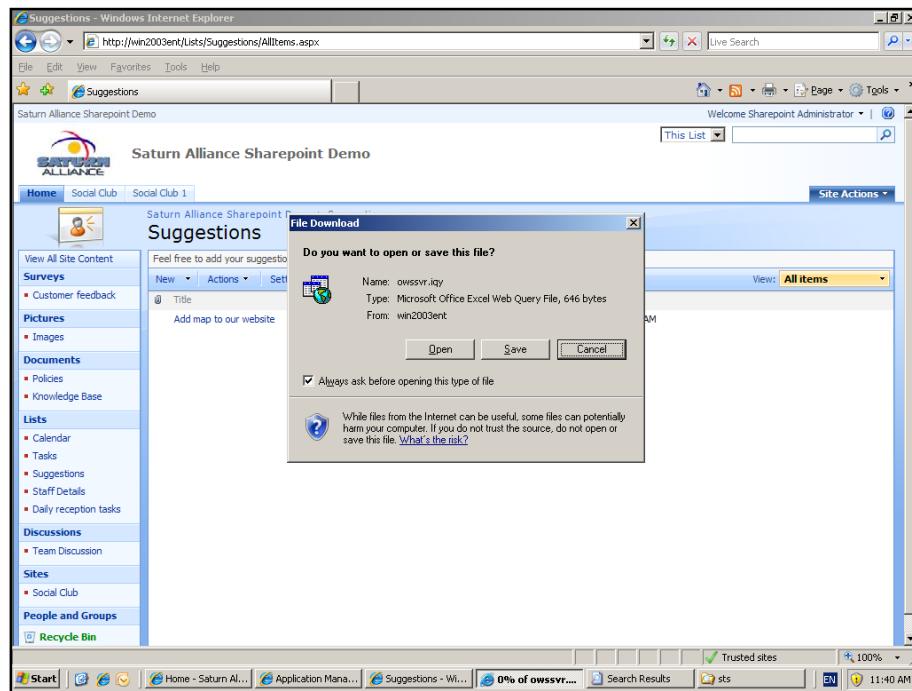
You will need to recreate your permissions such as adding users and groups, as well as editing list/library permissions if required. You will also need to recreate any custom views you had created for your lists and libraries since these are not brought over in the export process.

Migrating WSS v3 data via spreadsheet export

Chapter 7 – Migration and Upgrades

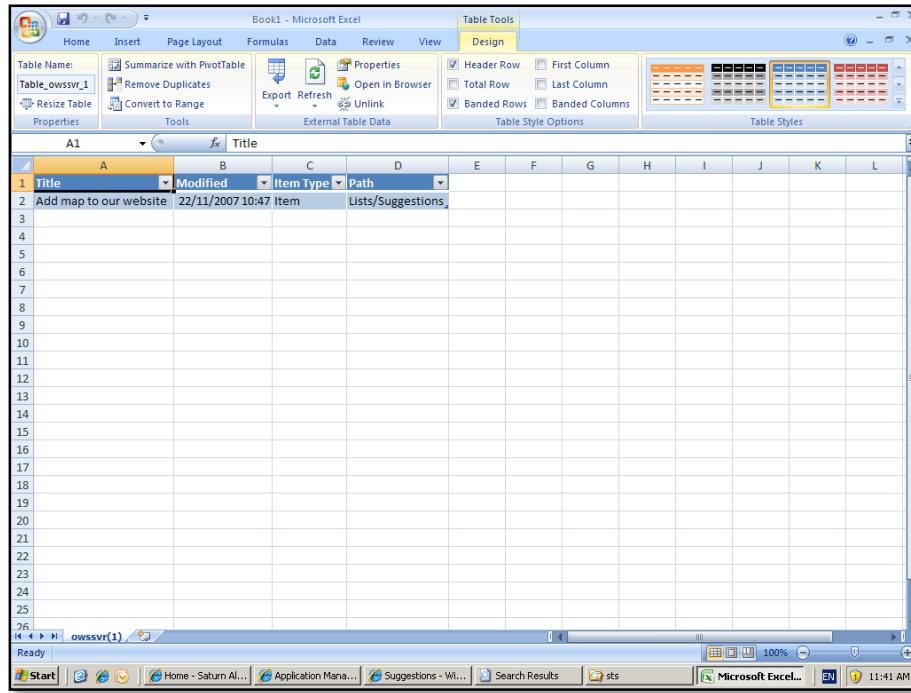


Many of the exporting commands are similar to SharePoint v2. As an example of migration to a Microsoft Office document go to the WSS v3 list and select **Actions | Export to Spreadsheet**.



Provided the client machine has a version of the Microsoft Office software installed you will be prompted to open the query. In this case Microsoft Excel.

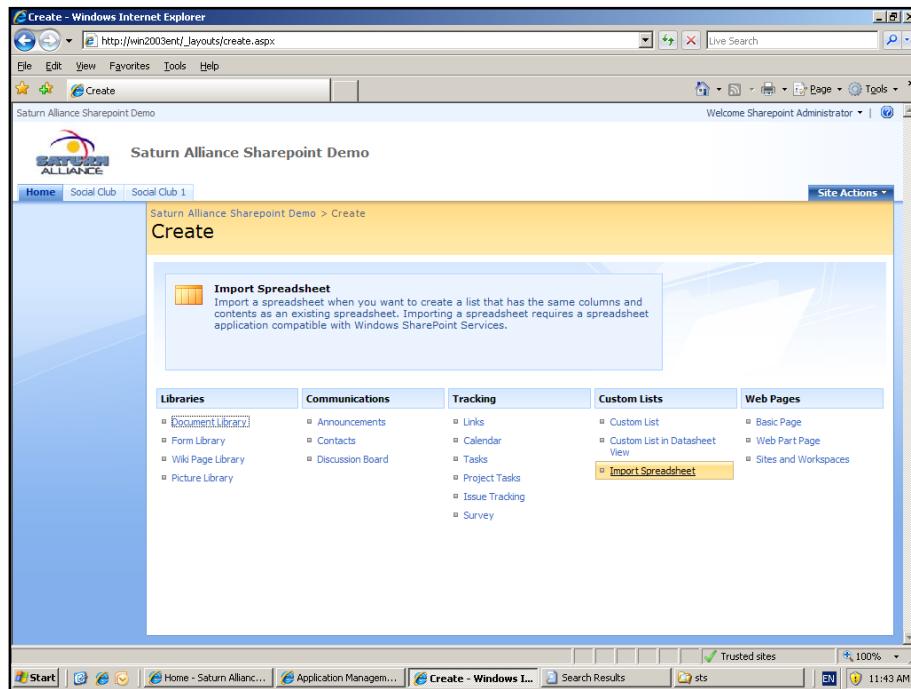
Chapter 7 – Migration and Upgrades



A screenshot of Microsoft Excel (Book1 - Microsoft Excel) showing a SharePoint list imported as a table. The ribbon is visible at the top with the 'Design' tab selected. The table has columns labeled 'Title', 'Modified', 'Item Type', and 'Path'. The data shows a single item: 'Add map to our website' was modified on 22/11/2007 at 10:47 AM, categorized as an 'Item' under 'Lists/Suggestions'. The table style is set to 'Table Style Options'.

The data will be displayed and from there it is a simple process to save the information in its native Microsoft Office format.

The two most common Microsoft Office applications for achieving this are Excel and Access.



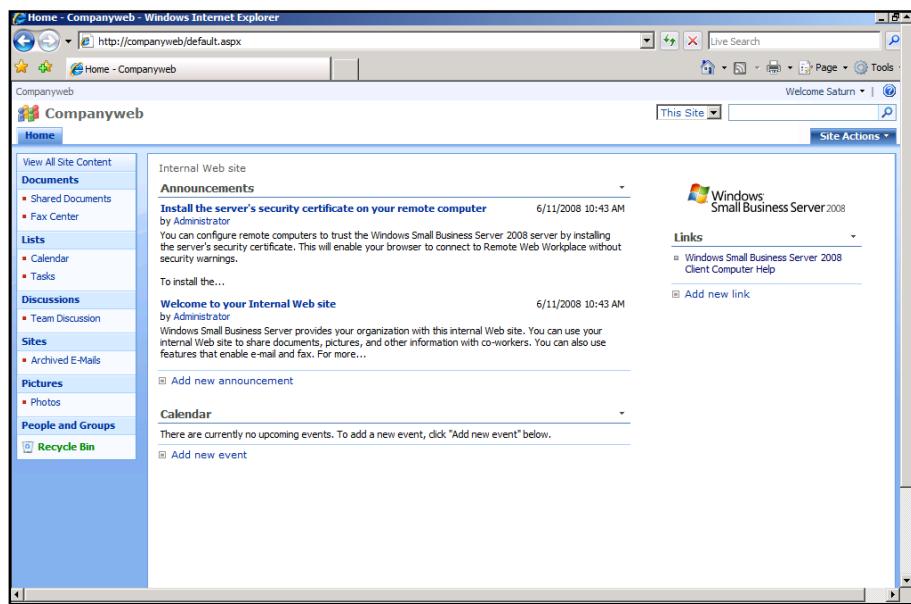
A screenshot of a SharePoint 'Create' page (Create - Windows Internet Explorer) showing the 'Import Spreadsheet' option. The page title is 'Saturn Alliance Sharepoint Demo > Create'. A callout box highlights the 'Import Spreadsheet' link under the 'Create' section. The page also includes navigation links for Home, Social Club, and Site Actions, and a ribbon menu with Libraries, Communications, Tracking, Custom Lists, and Web Pages tabs.

Chapter 7 – Migration and Upgrades

You can import the spreadsheet information when you create a new list from the Create option. Under the *Custom Lists* section you select the option **Import Spreadsheet** and then browse to the location of the spreadsheet you wish to import.

7.6 SBS 2008 Migration

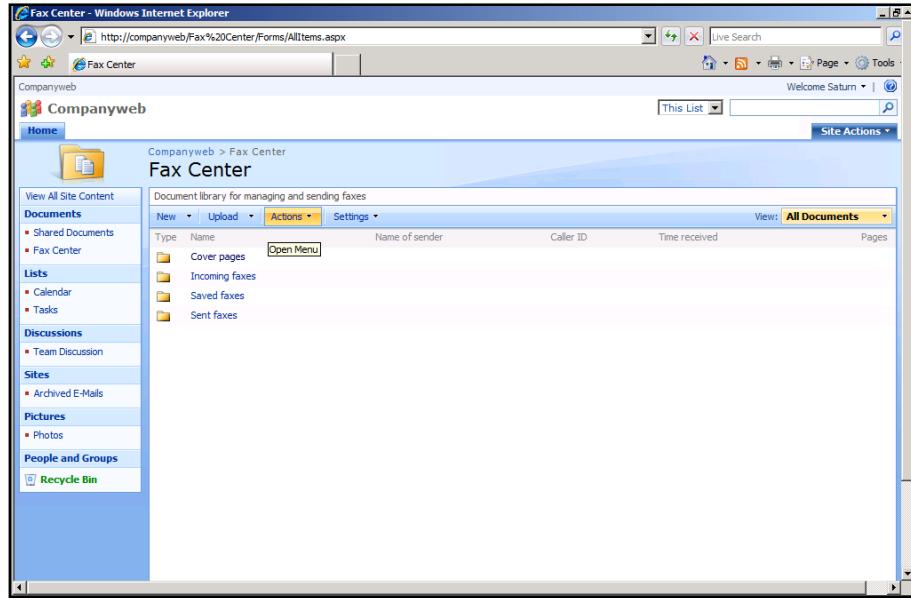
After completing a new Small Business Server 2008 installation using the standard and recommended installation method you will also have installed a new instance of WSS v3 onto the SBS 2008 server. If you type <http://companyweb> into your browser's address you see a WSS v3 page like shown below.



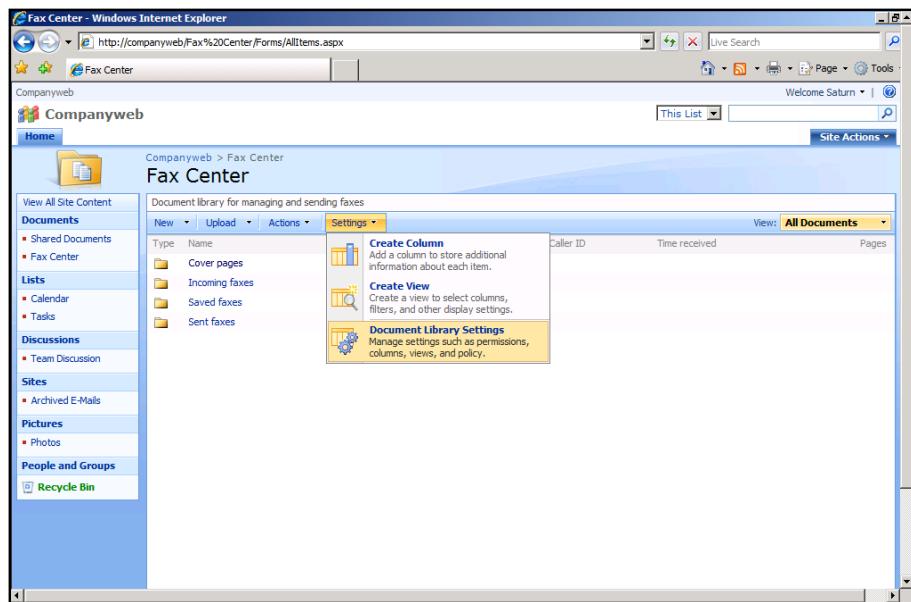
This appears like a normal WSS v3 site except for two special SBS 2008 items. The first is the item under *Documents* on the *Quick Launch* bar on the left called *Fax Center* and the other is under the *Sites* heading called *Archived E-Mails*.

Both of these items are used by SBS 2008 wizards during different configuration settings and must be present in any version of SBS 2008 <http://companyweb> to ensure that these wizards work correctly. Any migration that replaces the WSS v3 database will result in the removal of these special SBS 2008 additions. Therefore the first step in any migration is to copy these for later importation.

Chapter 7 – Migration and Upgrades



Click on **Fax Center** from the *Quick Start* menu on the left of the window. This will now display the *Fax Center* like shown above. The Fax Centre is the location where SBS 2008 faxes are stored if this is configured using the SBS 2008 wizards.

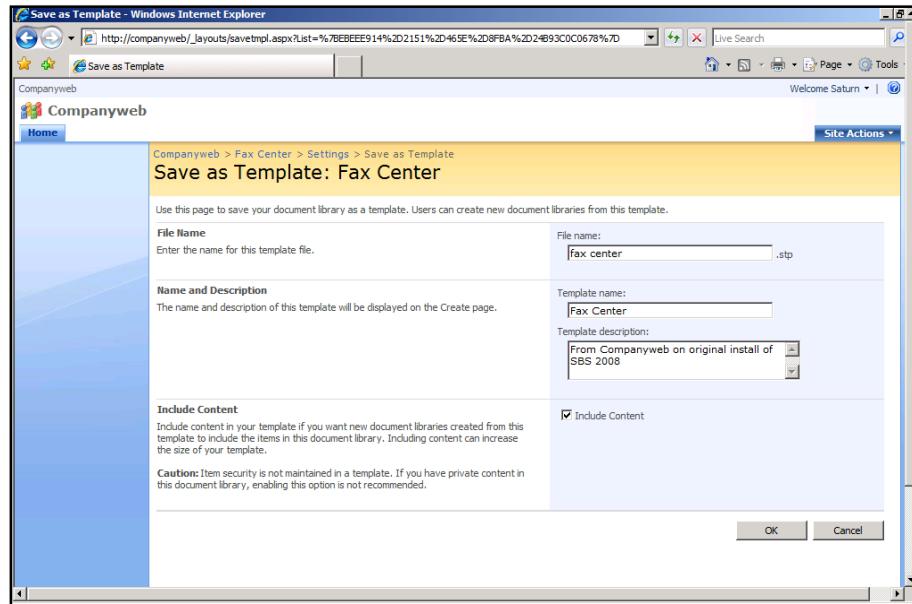


From the menu bar select **Settings | Document Library Settings**.

Chapter 7 – Migration and Upgrades



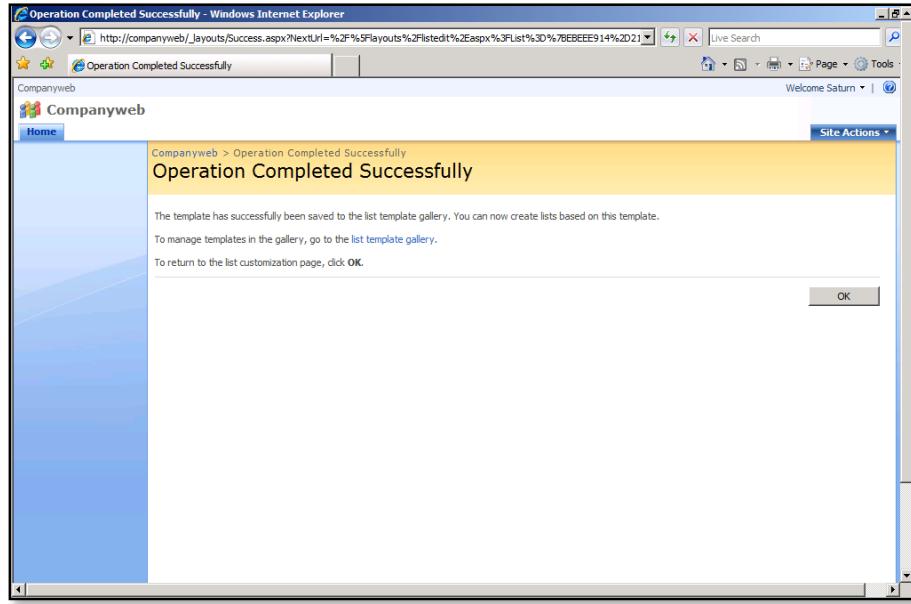
From here select **Save document library as template**.



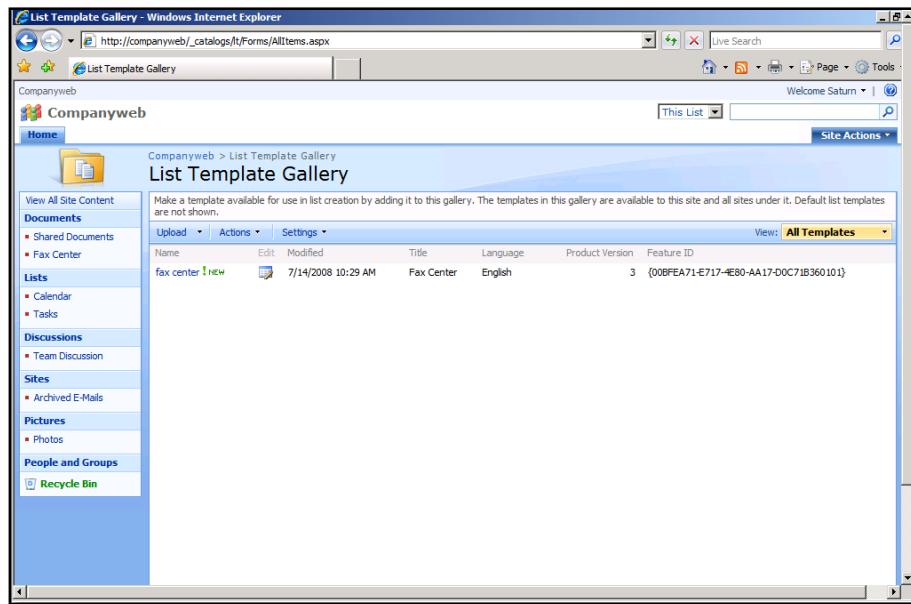
Provide a file name (in this case *fax center.stp*) a template name (in this case *Fax Center*) and a description of the template. Also ensure that you check the option *Include Content*. Failing to check this option will result in a number of Fax Center items not being saved.

Press **OK** to complete Save as Template.

Chapter 7 – Migration and Upgrades

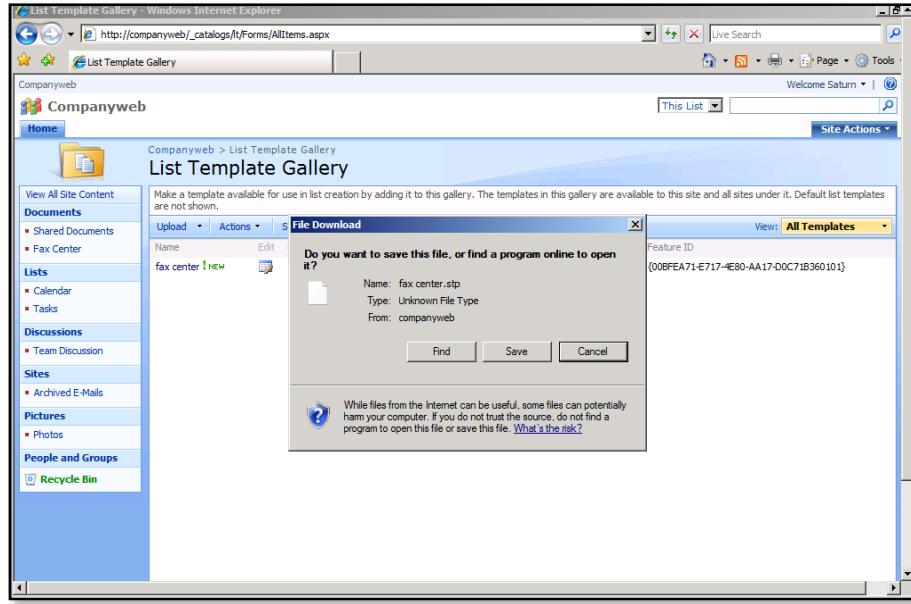


When complete you will see the above confirmation screen displayed. Click on the link list template gallery to view the location of the saved template.

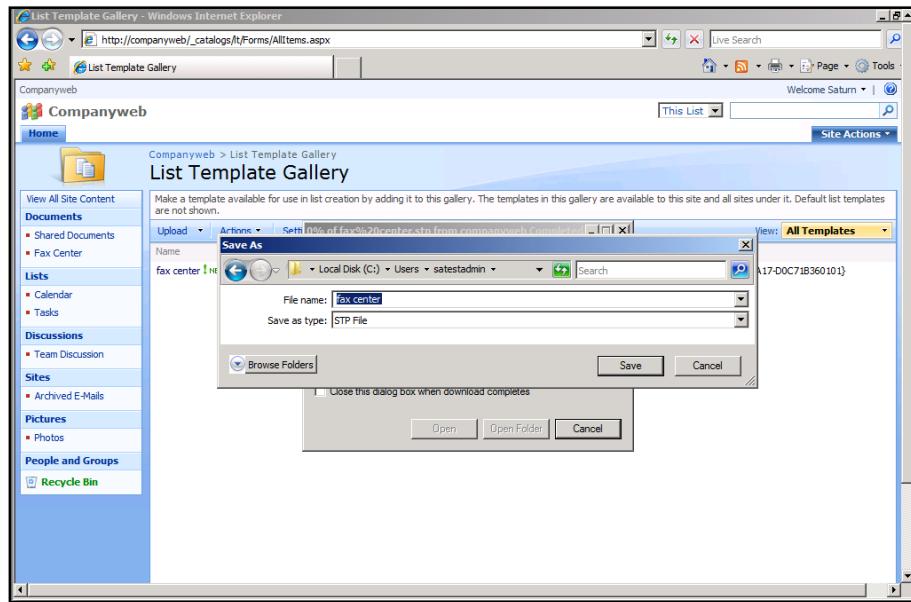


As shown above, the list should now contain a new entry for the fax center template you just created. This template now needs to be saved to a file in an alternate location (otherwise it will be overwritten during the migration). To do this, simply click on the name of the template (in this case, *fax center*).

Chapter 7 – Migration and Upgrades

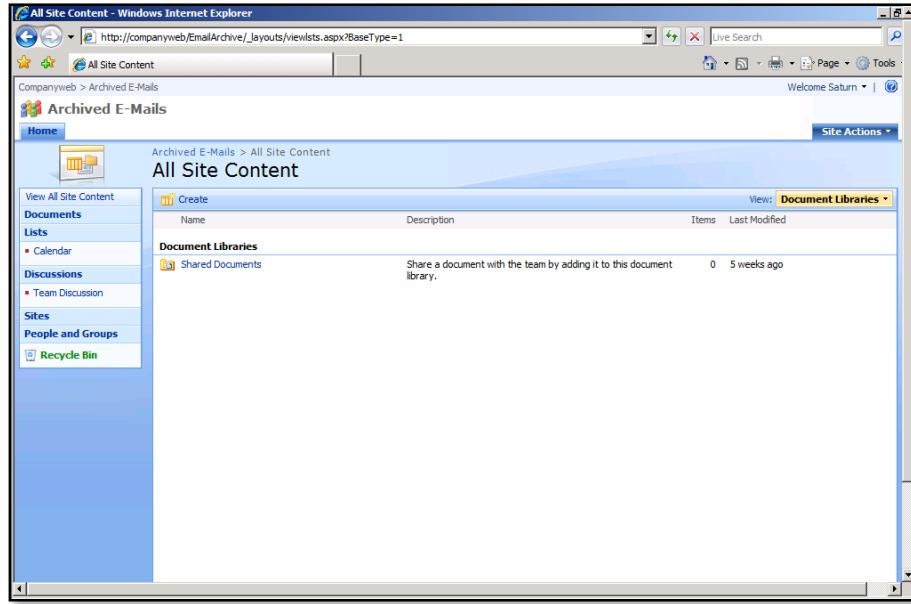


You will now be prompted to save the template. Select the **Save** button to continue.



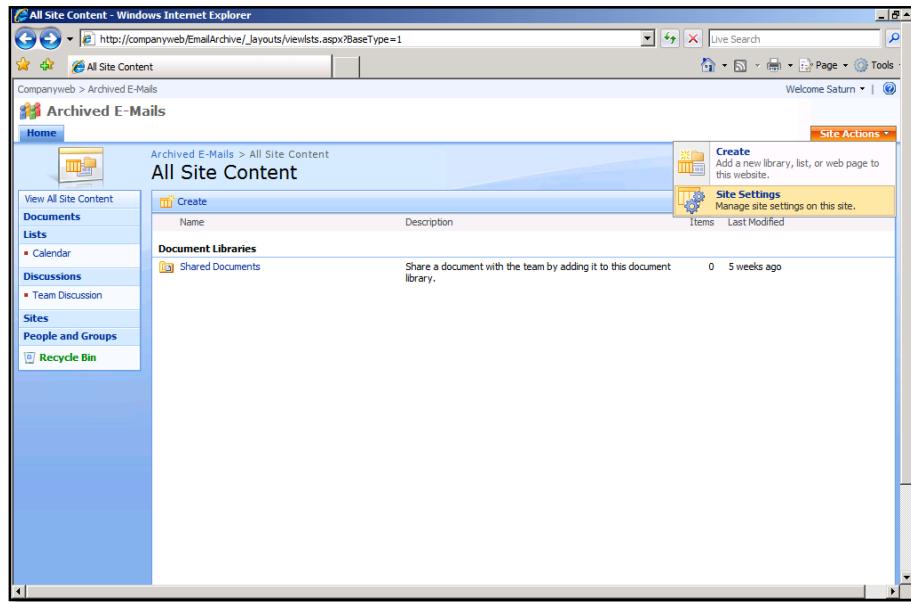
Select a location on the file system to save the template. Press **Save** to complete the save to disk process.

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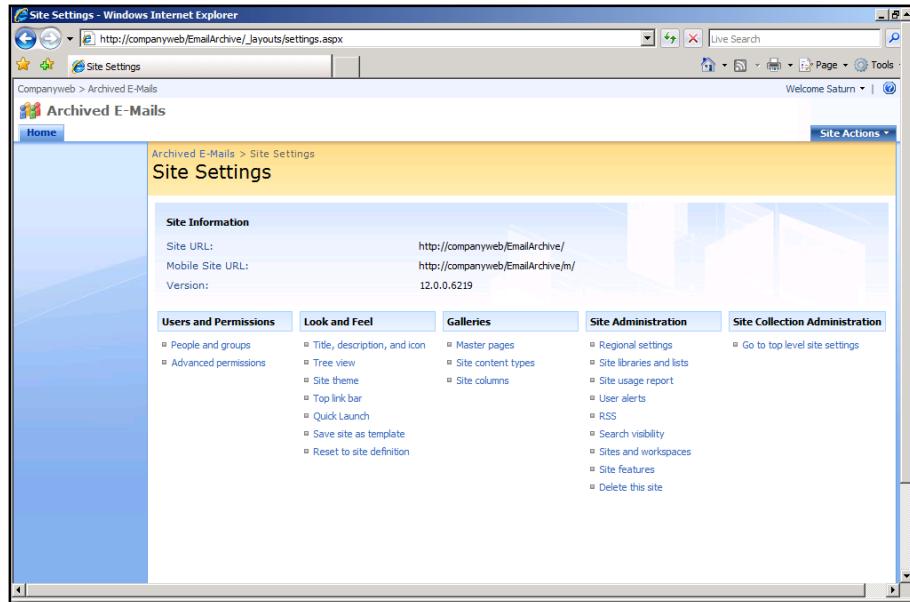
The second special SBS 2008 item is a sub site called *Archived E-Mails*. This is the location where emails can be sent when they are addressed to certain SBS groups, again configured using the SBS 2008 wizards.

To view the sub-site click on the link **Archived E-Mails** from the *Quick start* menu. You should see the site displayed as shown above but take note that what you are currently viewing is not the default site view, it is in fact a different view of a document library. You will have to manually recreate this link when you re-import this site into your migrated data.

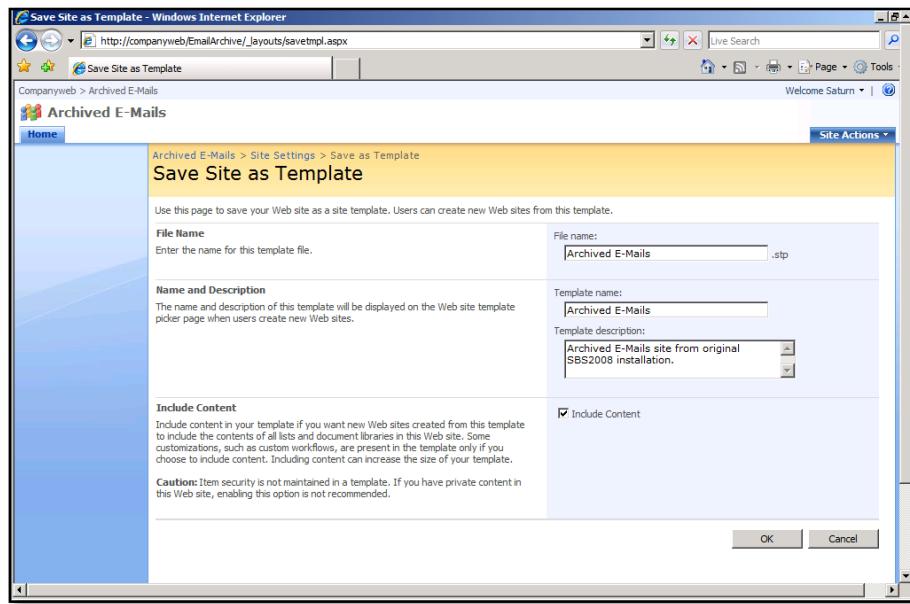


Chapter 7 – Migration and Upgrades

To save this site as a template, select **Site Actions | Site Settings** from the upper right of the window.



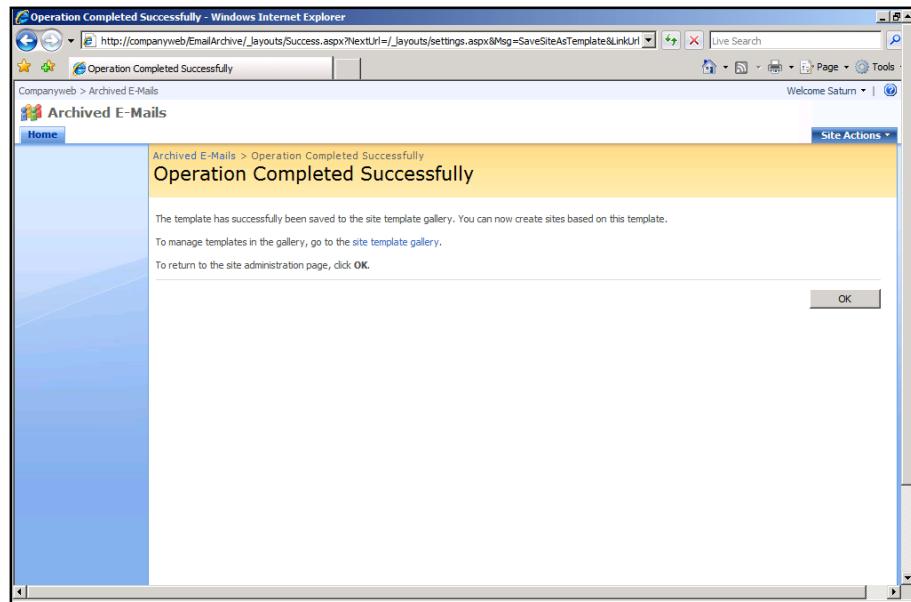
From the list of options that appears select **Save site as template** from under the *Look and Feel* heading.



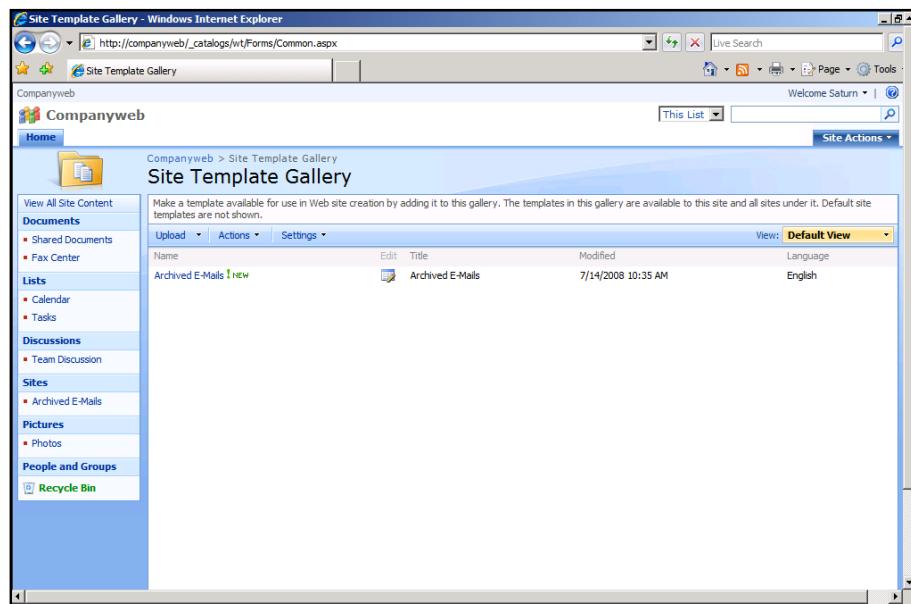
Complete the information requested by providing a file name (in this case *Archived E-Mails.stp*), a template name (in this case *Archived E-Mails*) and a template description. Also make sure that you check the option to *Include Content*. Failing to check this option will result in a number of site items not being saved.

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Press the **OK** button to complete the Save Site as Template process.



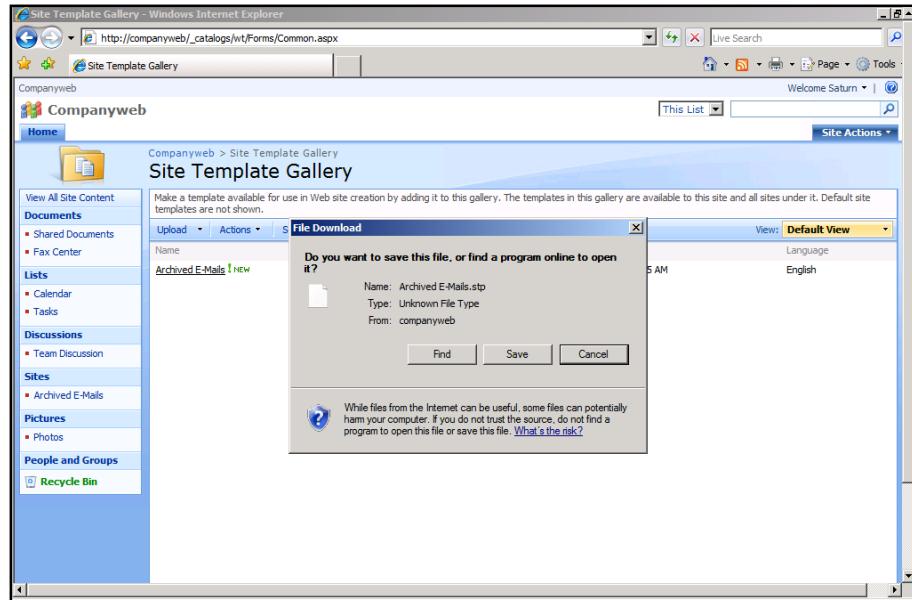
Upon completion you should see the above screen indicating that the process has completed successfully. Click on the **link site template gallery** to view the location of the site template.



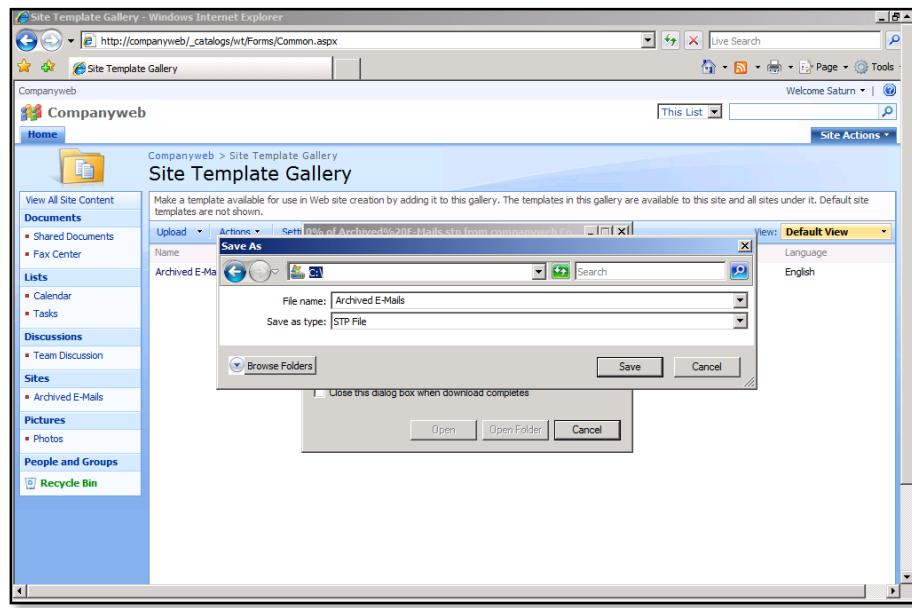
You should now see a new entry with the name of the site template you just created. This template now needs to be saved to a location on the file system so it won't be

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overwritten during the migration process. Simply click on the template name (in this case *Archived E-Mails*) to save the template.



Once clicked, you will be prompted to save the file to a location. Select the **Save** button to continue.

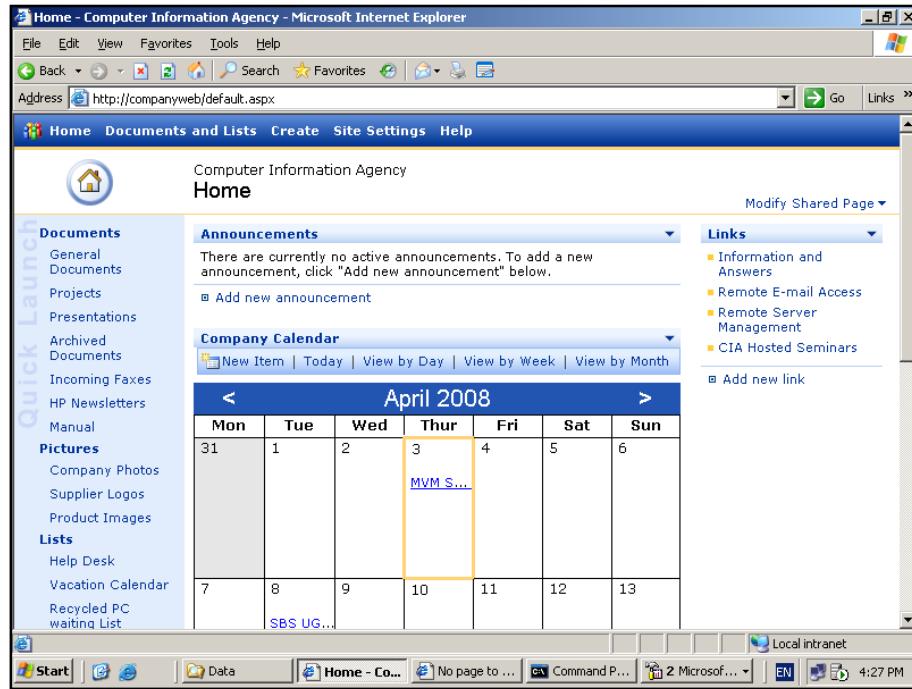


Navigate to a suitable location on the file system and press **Save** to copy the template to the file system for later use.

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With these special items of SBS 2008 Companyweb saved you can now continue with the process of migrating the source SBS 2003 Companyweb databases into SBS 2008 Companyweb.

Next, ensure that <http://companyweb> is functioning correctly on the source Windows Small Business Server 2003.



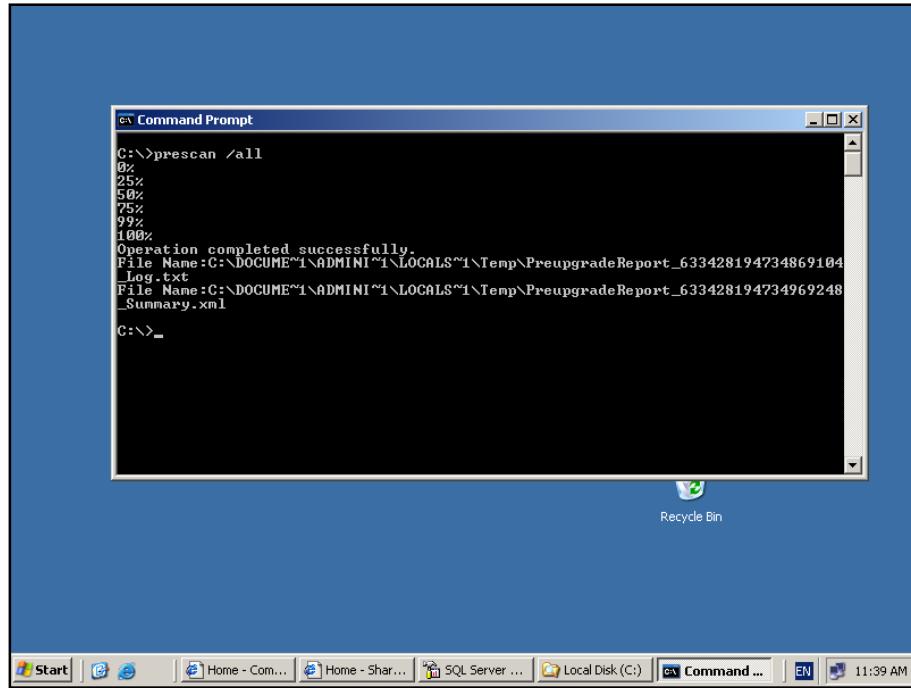
Once you are happy that the source SBS 2003 <http://companyweb> is operating correctly close the browser window. You will now need to download and run the WSS v3 prescan tool (a single .exe file) which can be found at:

<http://www.microsoft.com/downloads/details.aspx?familyid=e8a00b1f-6f45-42cd-8e56-e62c20feb2f1&displaylang=en&tm>

or is also located in the *c:\program files\common files\Microsoft shared\web server extensions\12\bin* directory on the SBS 2008 server.

Login to the source Windows Small Business server 2003 as an administrator and copy the prescan.exe file to a local drive on the server and then start a DOS prompt via **Start | Run | Cmd**.

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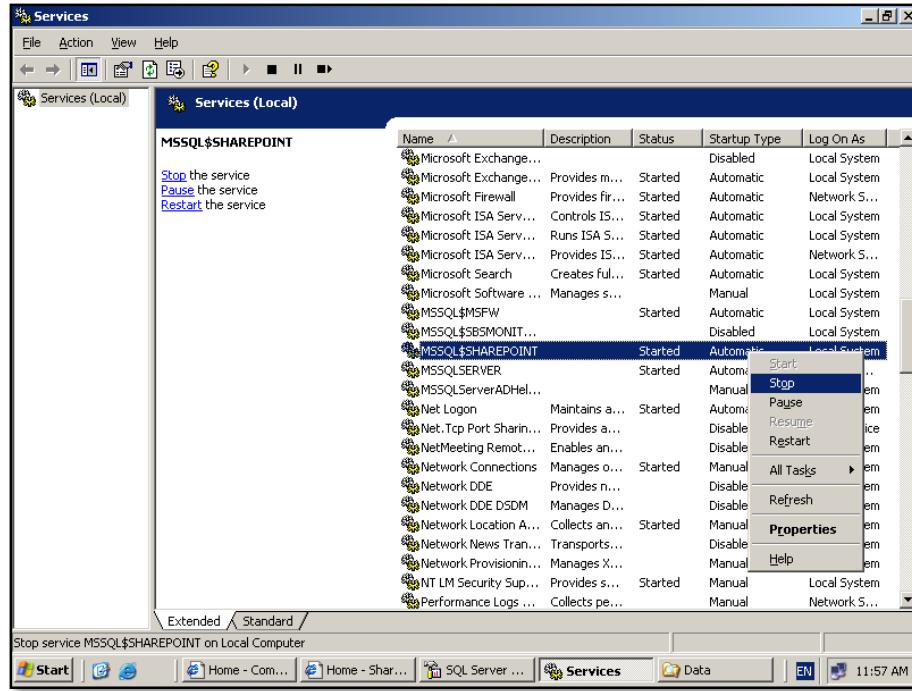


At the command prompt type **prescan /all** and press **Enter**. The scanning tool will examine the existing SharePoint v2 databases and report if there are any issues that may arise when you attempt to migrate. When the process is successful close the DOS prompt. Note that running prescan does not in any way affect or change the existing SharePoint v2 databases however in many cases you will receive errors unless you run the prescan tool prior to migrating your data.

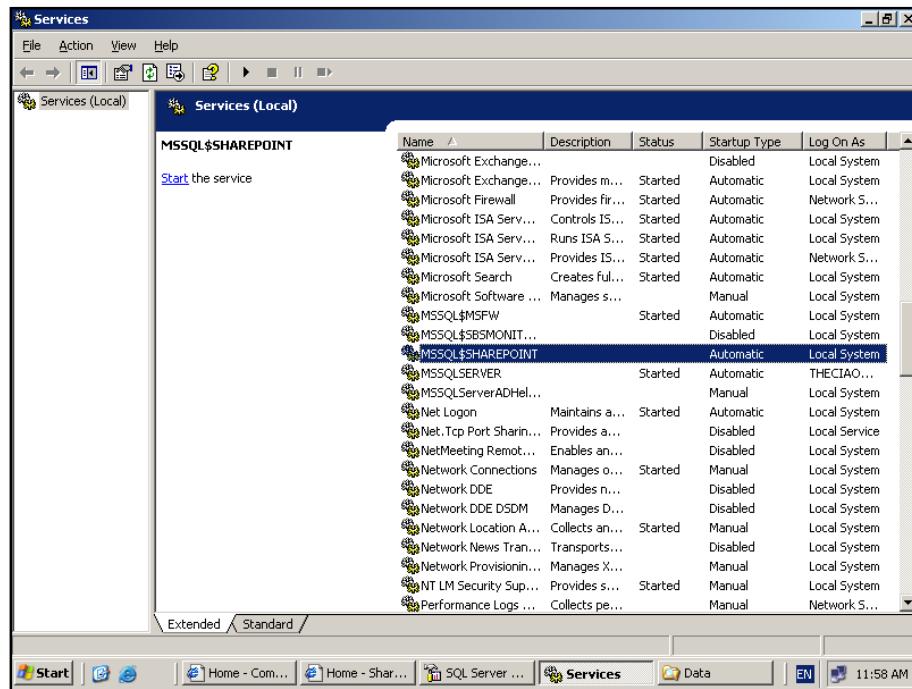


Chapter 7 – Migration and Upgrades

The next step is to stop the SharePoint v2 service so that the existing databases can be copied to a new location. To do this go **Start | Administrative Tools | Services**.

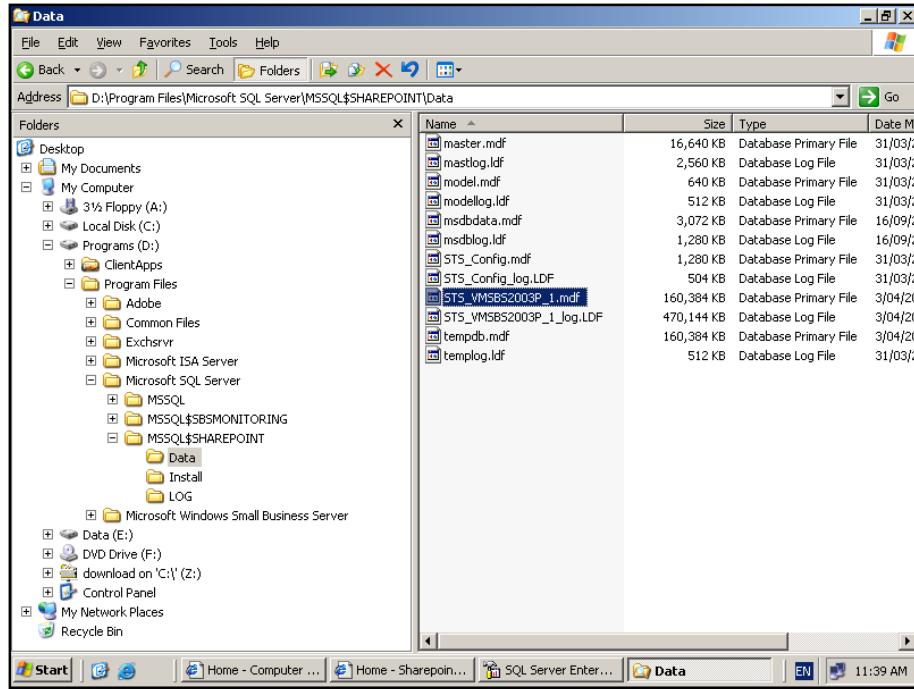


Locate the service named *MSSQL\$SBSSHAREPOINT*, right mouse click on the service and select **Stop** from the list that appears.



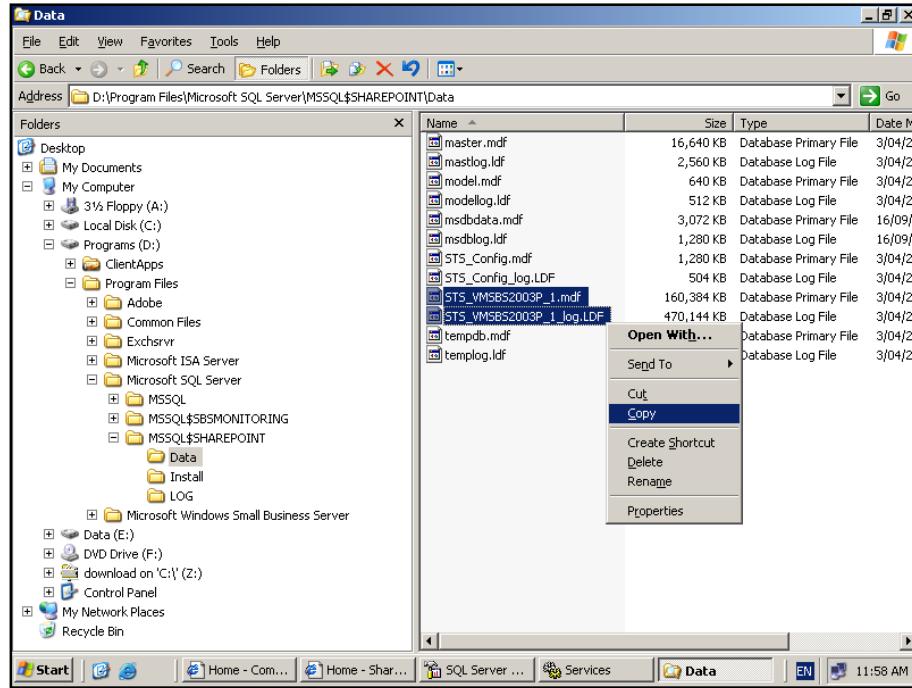
Chapter 7 – Migration and Upgrades

When this process is complete you should see nothing in the *Status* column for that service, this indicates that the service is not running. Close the *Services* window.

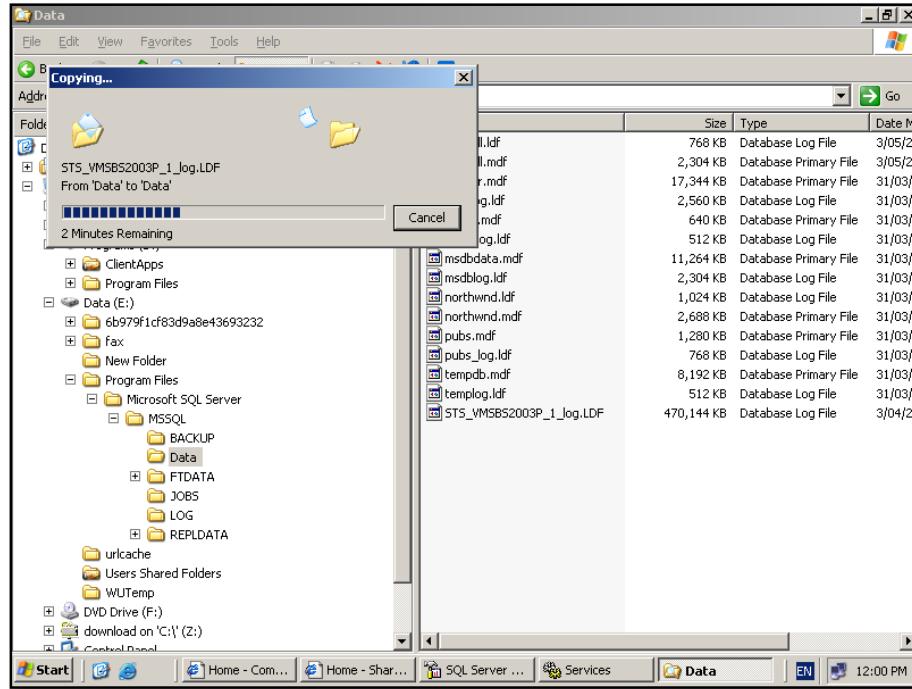


You now need to locate the original SharePoint v2 databases. Normally these will be located in `<install drive>:\program files\microsoft sql\server\MSSQL$SHAREPOINT`. Typically, the files will be named `STS_<servername>_1.mdf` and `STS_<servername>_1.log.LDF` (in this case `STS_VMSBS2003P_1`).

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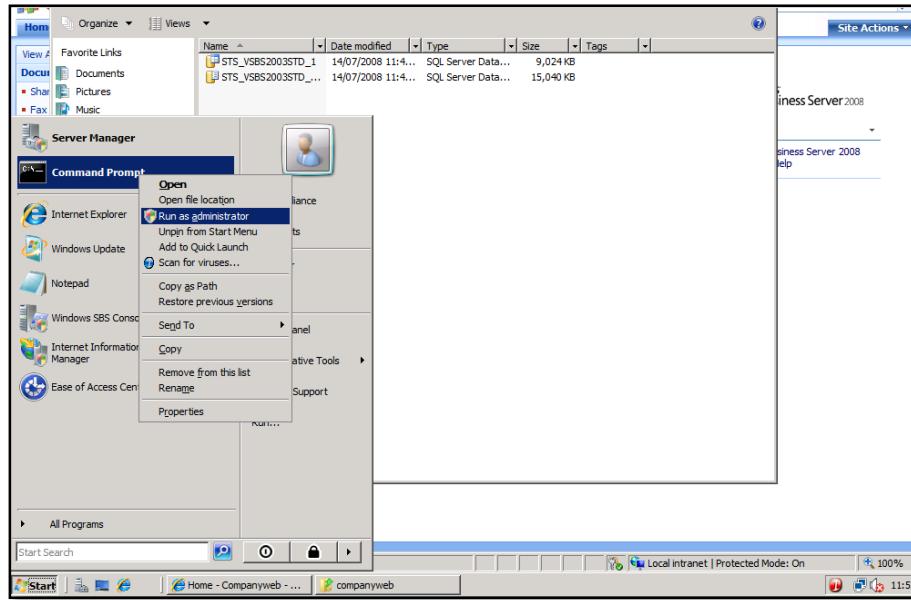


Right mouse click on both of these files and select **Copy** from the menu that appears.



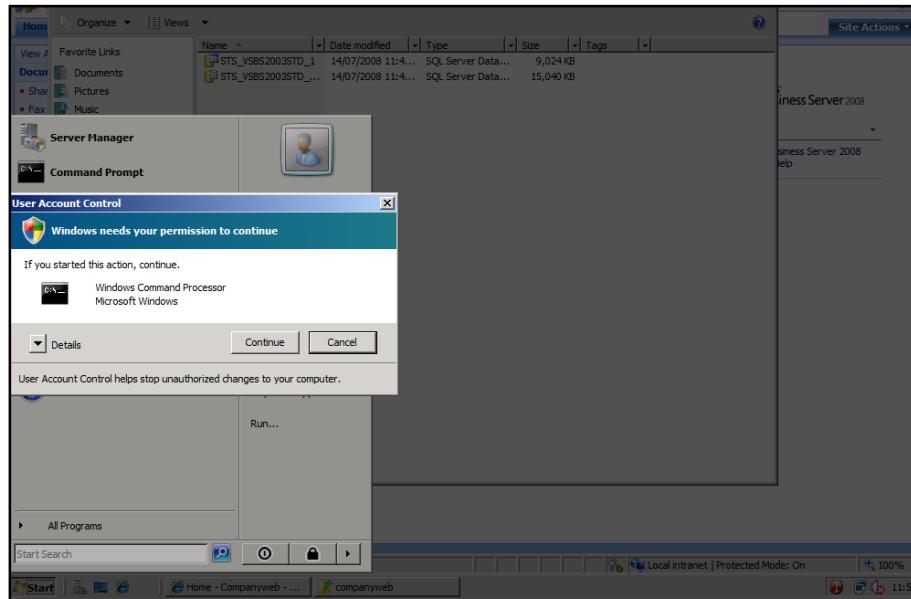
Move to the location where you wish the new databases to be located on the destination SBS 2008 server and paste the files into that directory. In this case we are copying the files into the SQL data directory located at *e:\program files\Microsoft sql server\mssql\data* on our Small Business Server 2008.

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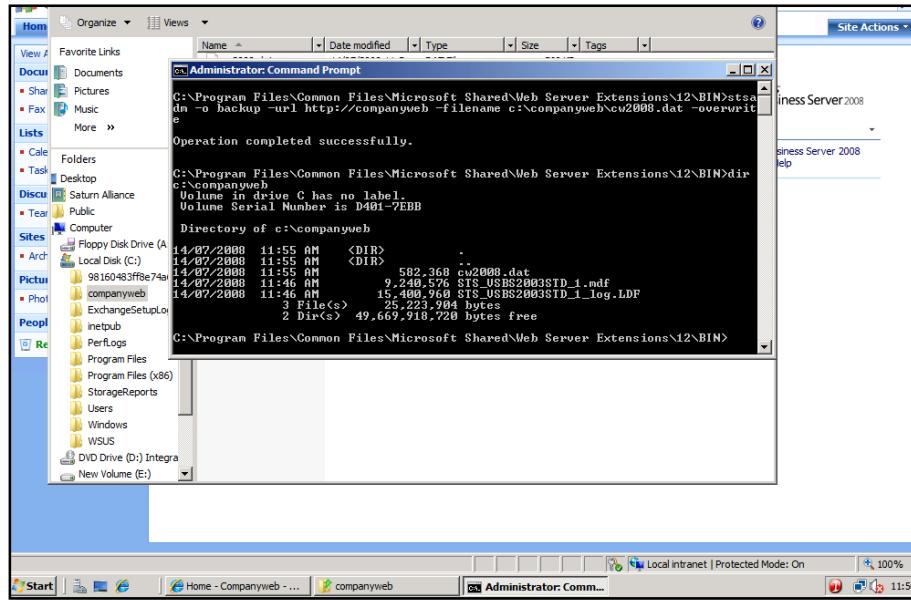
Once you have copied across SharePoint v2 databases from the source SBS 2003 server you should complete a full WSS v3 site backup on the SBS 2008 server to allow the default site to be restored if required.

The easiest method of completing a full backup is via the command line utility `stsadm`. Select Start, hold down the Shift key and **right mouse click** the Command Prompt option and select **Run as an administrator** from the menu that is displayed.



Select the **Continue** button when the use Account Control dialog is displayed.

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At the Command prompt run change to the directory *c:\program files\common files\Microsoft shared\web server extensions\12\bin*. Run the following command

```
Stsadm -o backup -url http://companyweb -filename <drive>:<directory>\<filename>
-overwrite
```

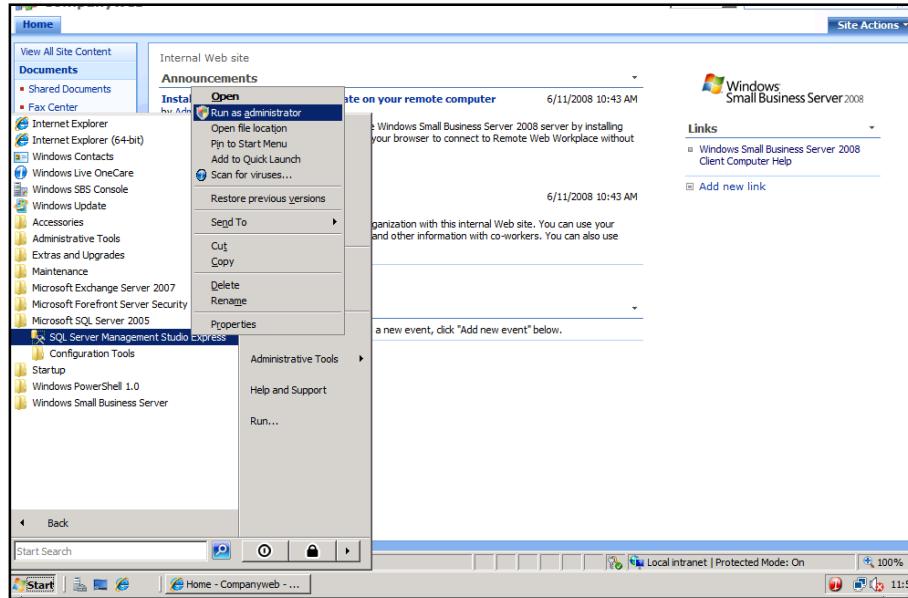
In this case

```
Stsadm -o backup -url http://companyweb -filename c:\companyweb\cw2008.dat -
overwrite
```

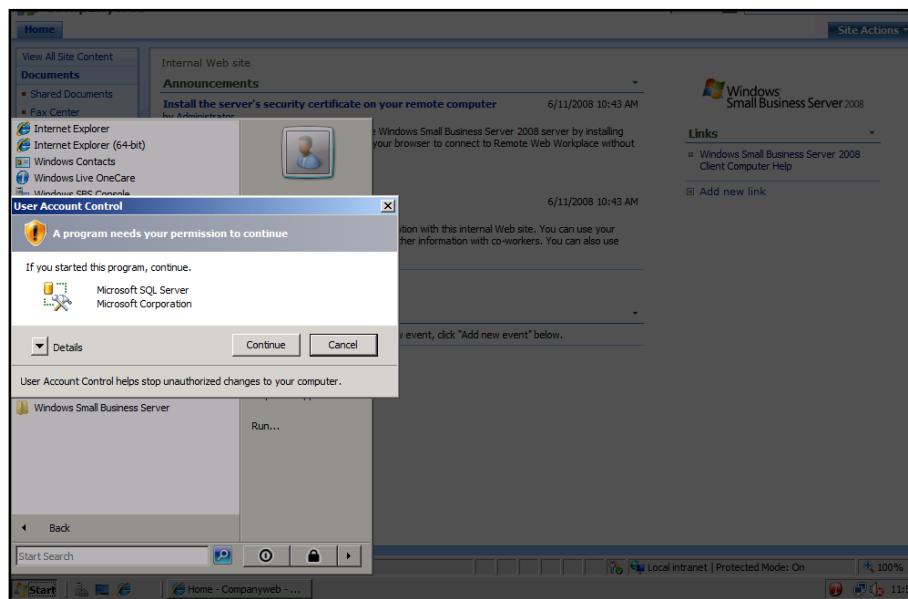
After the process is complete make sure that the backup file you created exists is about 580KB. For more information about WSS v3 backup and restore see **Sections 13.6 and 13.7**.

Close the Command prompt window by typing *exit* and pressing **Enter**.

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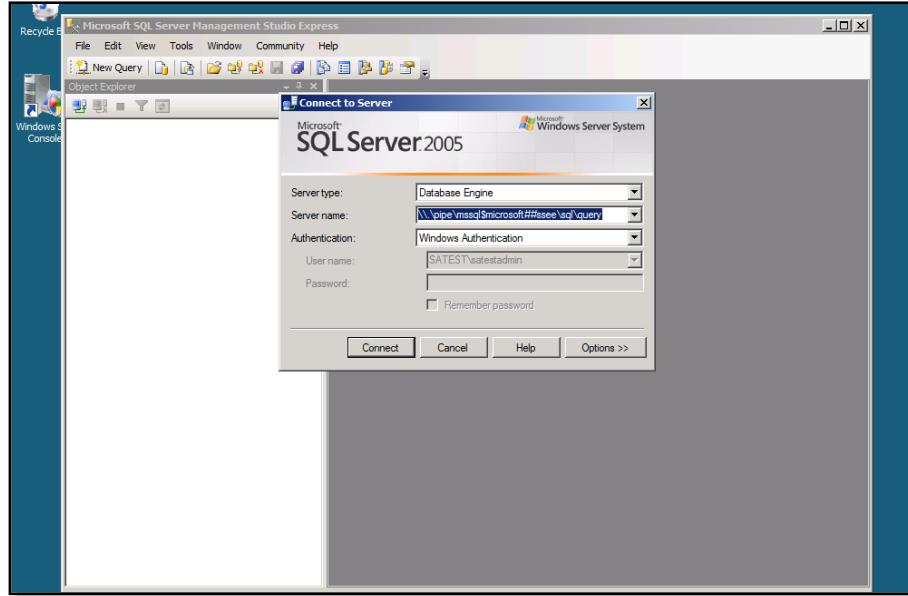


The next step is to attach the SharePoint v2 databases that have been copied from the source SBS 2003 server. To attach the databases you will need to run the SQL Server Management Studio. To do this, select **Start | All Programs**. Under the *Microsoft SQL Server 2005* folder, hold down the Shift key and **right mouse** click on *SQL Server Management Studio Express* and select **Run as administrator** from the menu that appears.

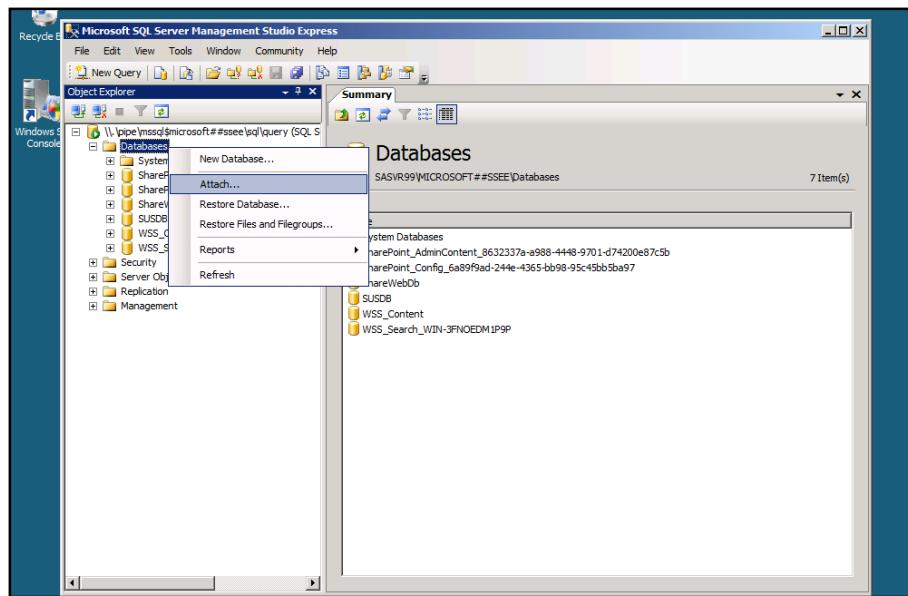


Click **Continue** when the User Access Control dialog appears.

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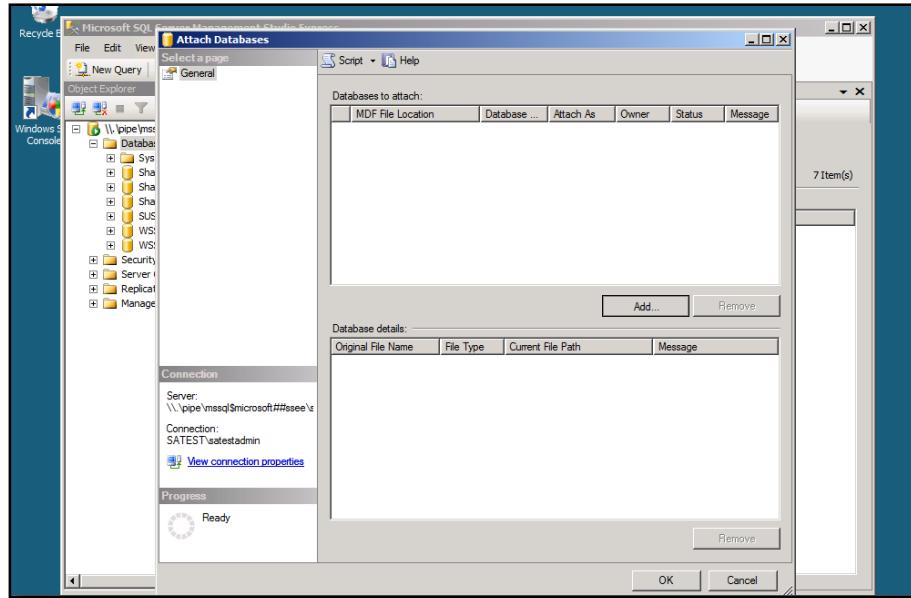


In the Connect to Server dialog box use `\.\pipe\mssql$\\microsoft##ssee\\sql\\query` for the Server Name and press the **Connect** button to continue.

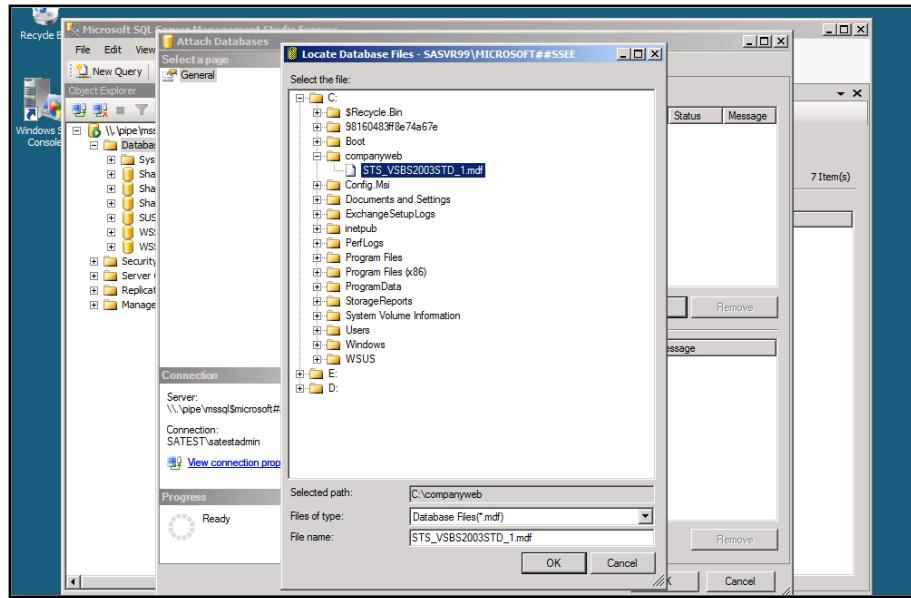


Locate the Databases folder and **right mouse click** and select **Attach** from the menu that appears.

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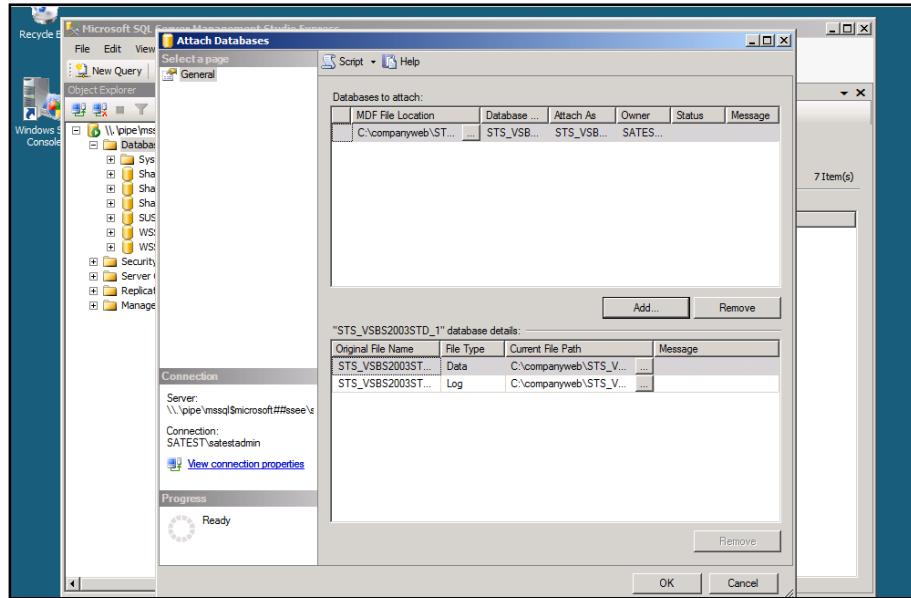
Select the **Add** button in the *Attach Databases* window that appears.



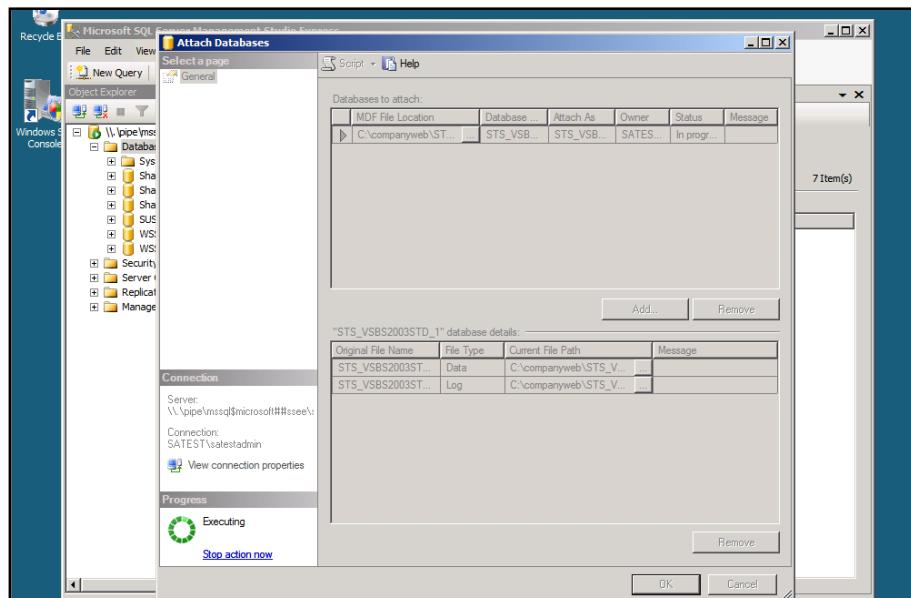
Navigate to the location where you copied the SharePoint v2 databases and select the database name. Normally this will be in the form of *sts_<sourcesbs2003server>_1.mdf* (in this case *STS_VSBS2003STD_1.mdf*).

Press **OK** to continue.

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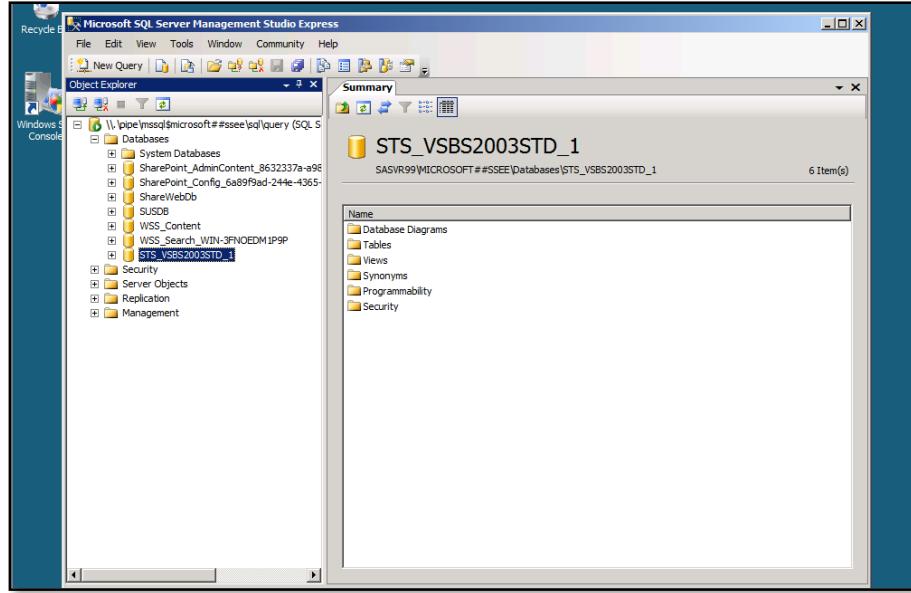


The database you selected should now appear in the *Attach Databases* window. Select **OK** to proceed.



During the attach process you should see the word executing in the lower left of the window with a green spinning icon.

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When the attach process is complete the database name you just attached should appear under the *Databases* folder.

Close the Microsoft SQL Server Management Studio Express program.

Once again run the Command Prompt as an administrator. Select **Start**, then hold the **Shift key** down and **right mouse click** on the Command Prompt icon and select **Run as administrator** from the menu that appears.

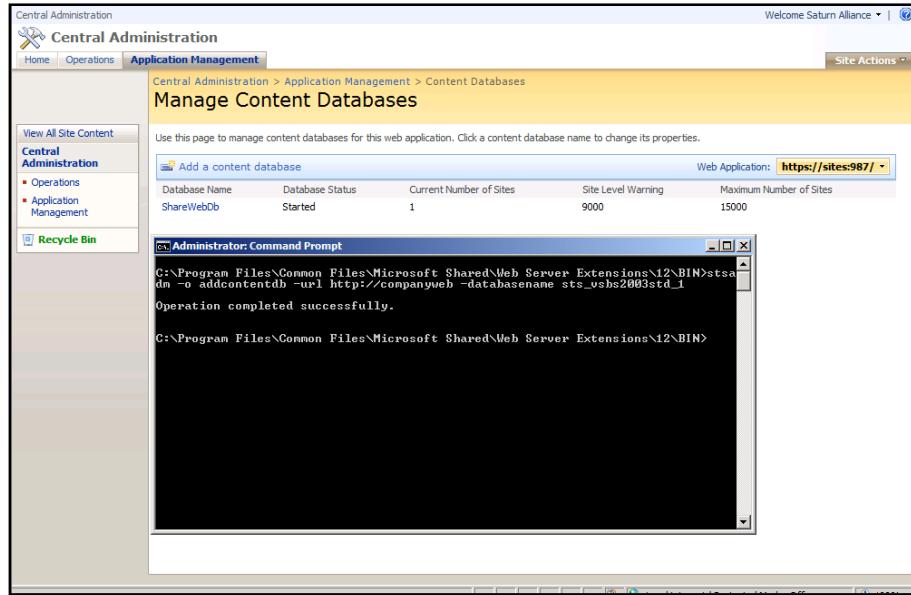
Click **OK** to continue when the User Access Control Dialog appears.

Change to the directory *c:\program files\common files\Microsoft shared\web server extensions\bin\12.*

Run the following command to detach the existing WSS v3 databases.

```
stsadm -o deletecontentdb -url http://companyweb -databasename sharewebdb
```

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Once this is successful you need to add the databases you have previous copied from the source SBS 2003 server and just attached to SQL server. To do this enter the following command at the prompt

```
stsadm -o addcontentdb -url http://companyweb -databasename  
sts_<sourceSBS2003server>_1
```

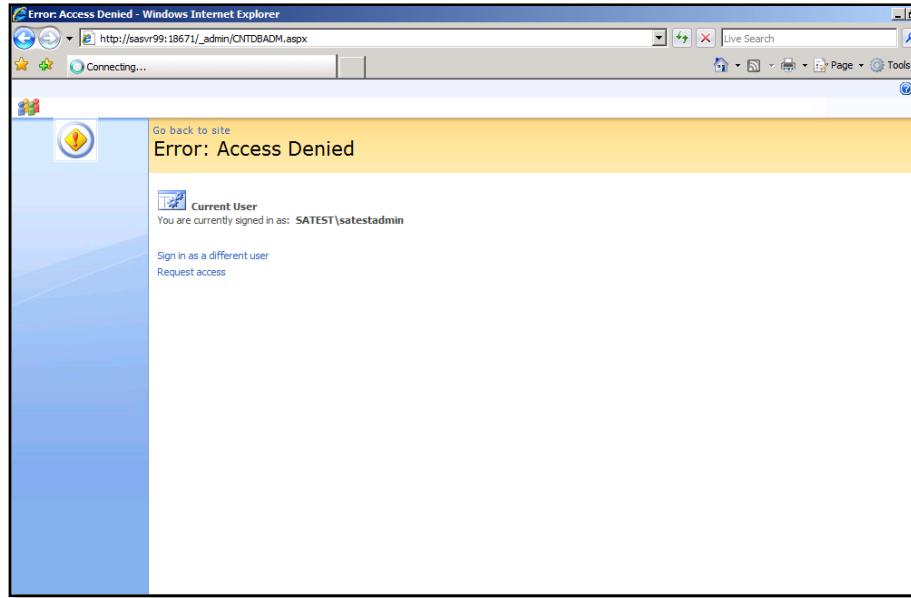
In this case

```
stsadm -o addcontentdb -url http://companyweb -databasename sts_vsbs2003std_1
```

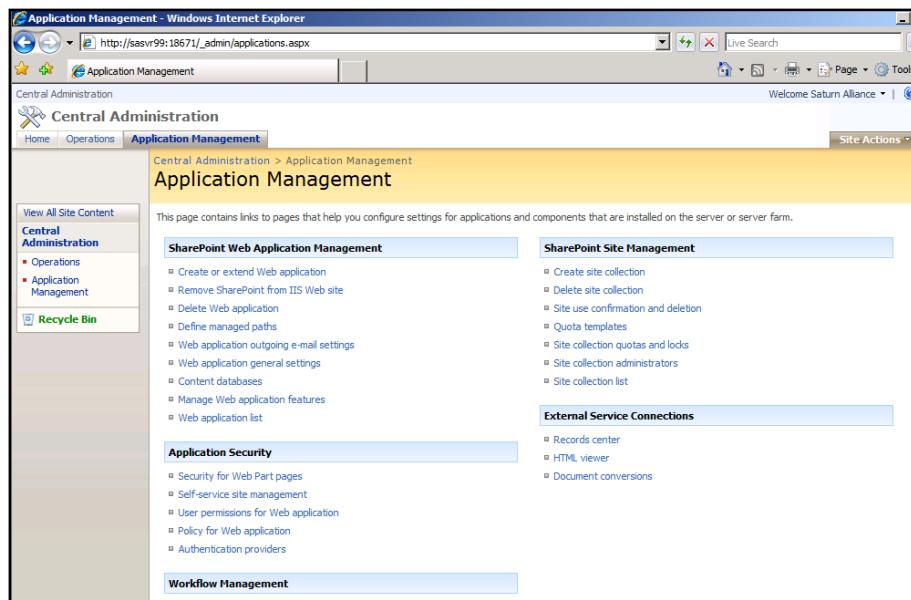
This process will convert the existing Sharepoint v2 databases to WSS v3 and attach them to the http://companyweb site.

When the process has completed successfully close the Command Prompt by typing *Exit* and pressing **Enter**.

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If you now attempt to view <http://companyweb> you may be greeted with the above screen denying you access. This will most likely happen if you have migrated from a different domain.

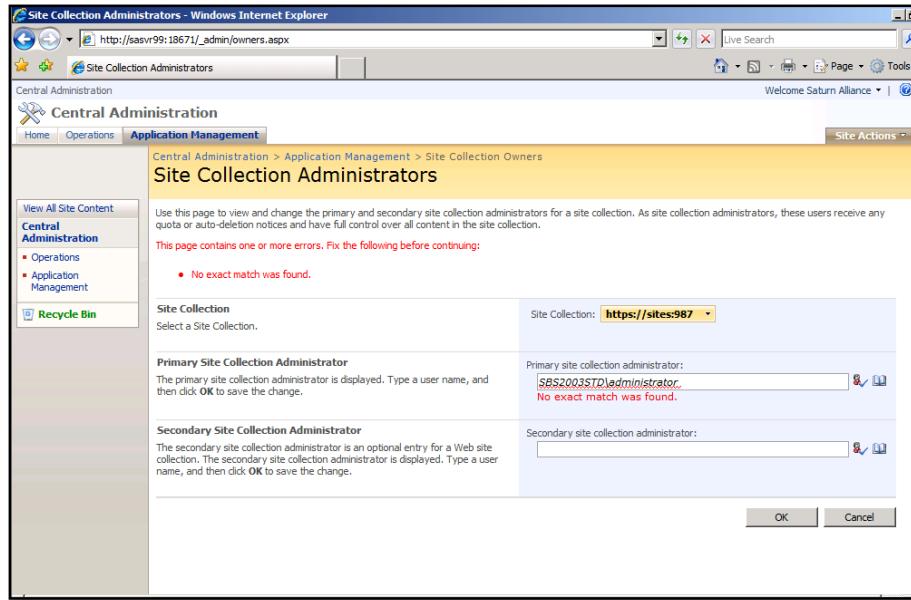


To overcome this issue you simply need to specify a new WSS v3 site administrator. To do this select **Start | Administrative Tools | SharePoint v3 Administration**.

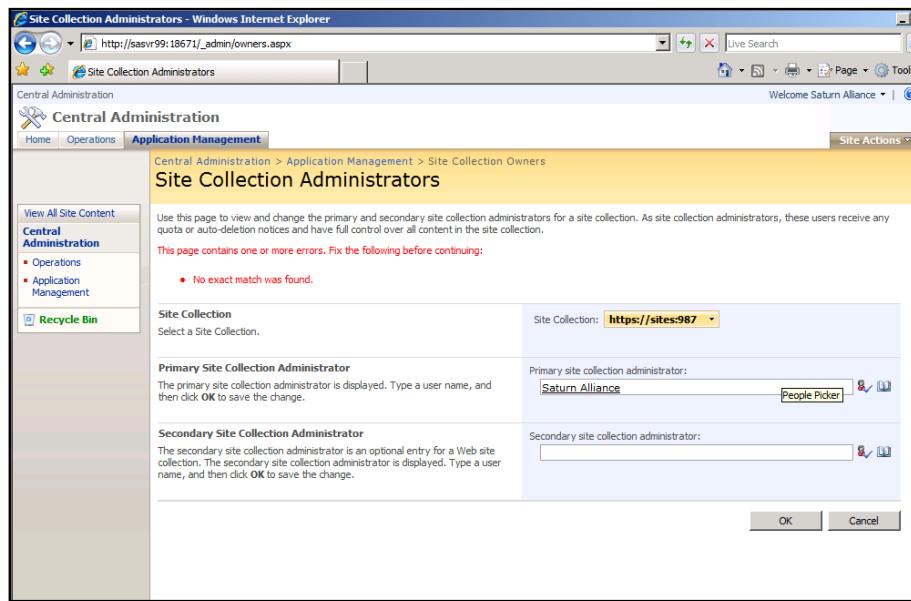
Press **Continue** on the *User Access Control* dialog that appears and select the *Application Management* tab from the SharePoint Central Administration site.

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Under the *SharePoint Site Management* section in the upper right of the window select **Site collection administrators**.



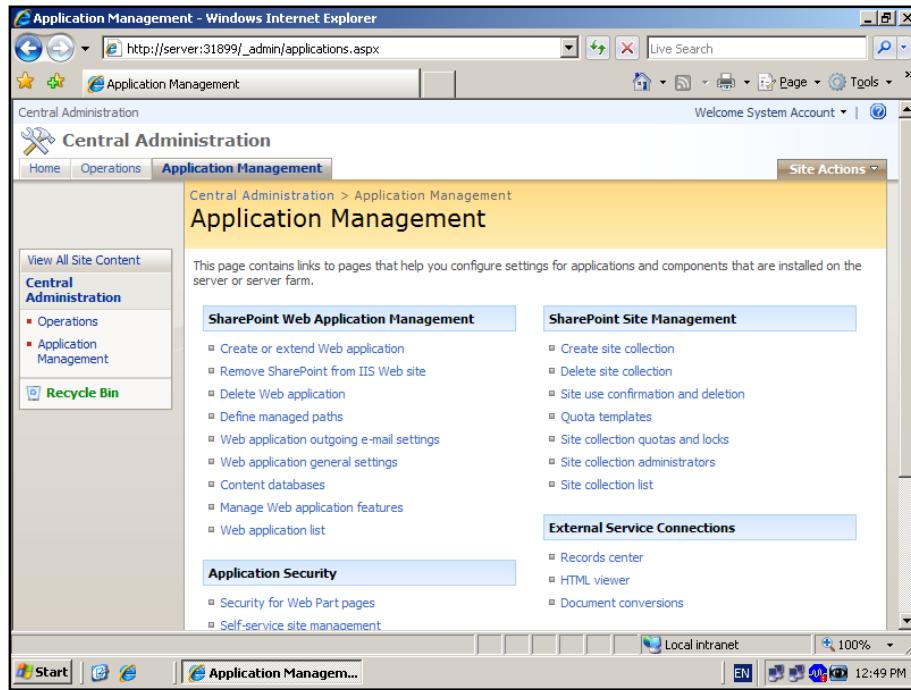
If an unknown user is currently defined as a Site Collection administrator you will see that underlined in red as shown above.



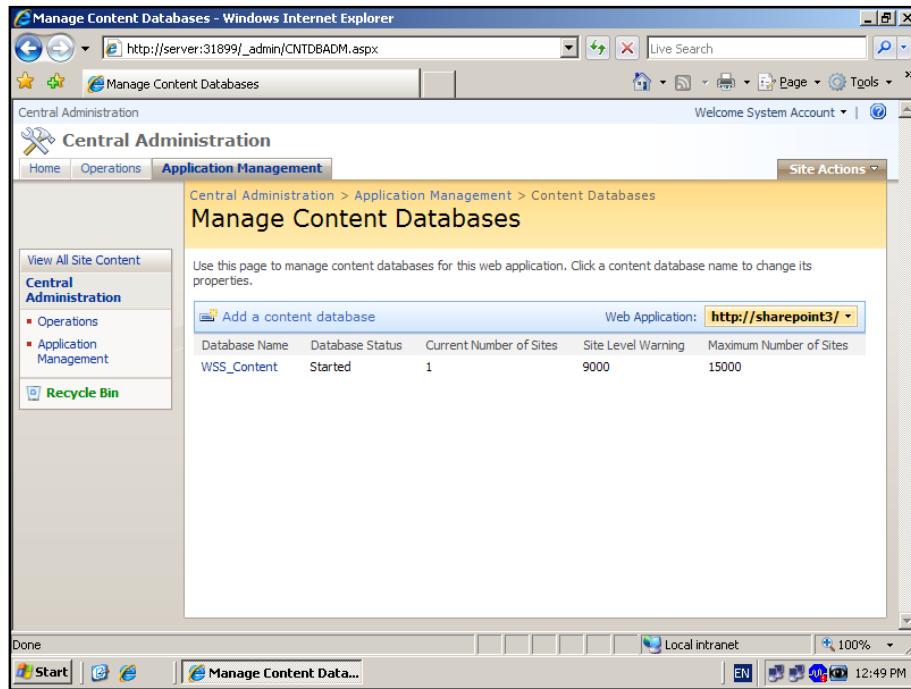
Simply enter the details of the new site administrator and press the *Check* button to verify that user. When the user is verified it will appear with a line under the name like shown above.

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You may also enter a second site administrator if you desire.

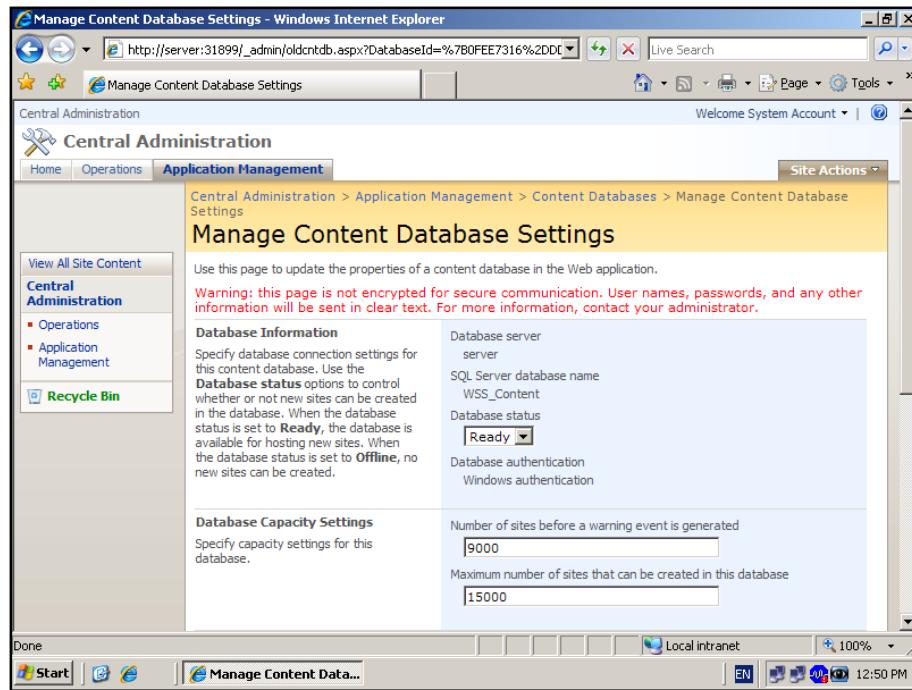


Since the content database has changed it will need to be assigned to a search server. From the **Application Management** tab select **Content databases** from under the **SharePoint Web Application Management Group**.

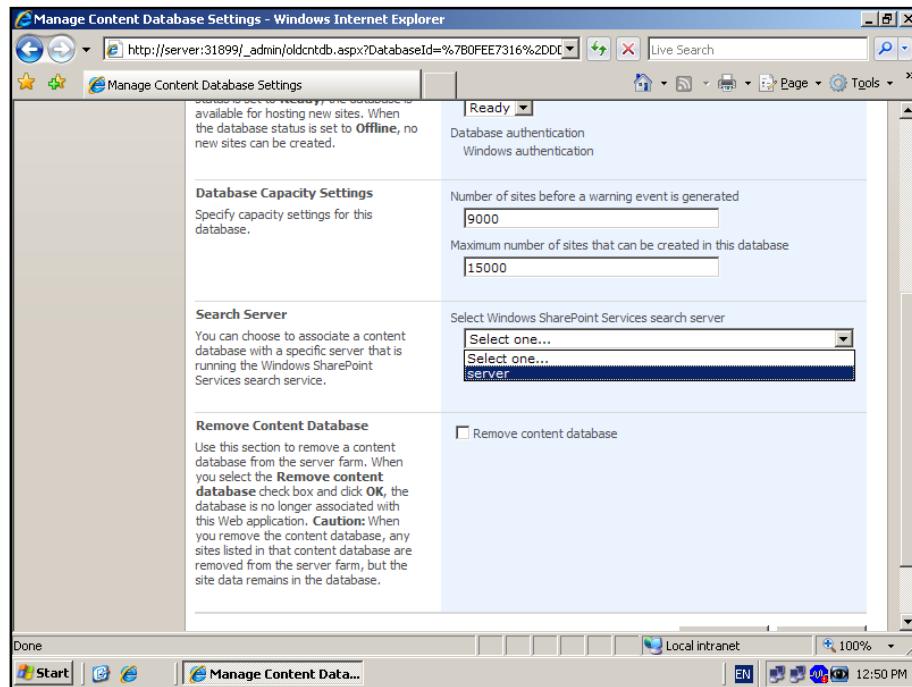


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You should now see your WSS v3 content database (in this case *WSS_Content*). Click on the name of your content database to configure it.



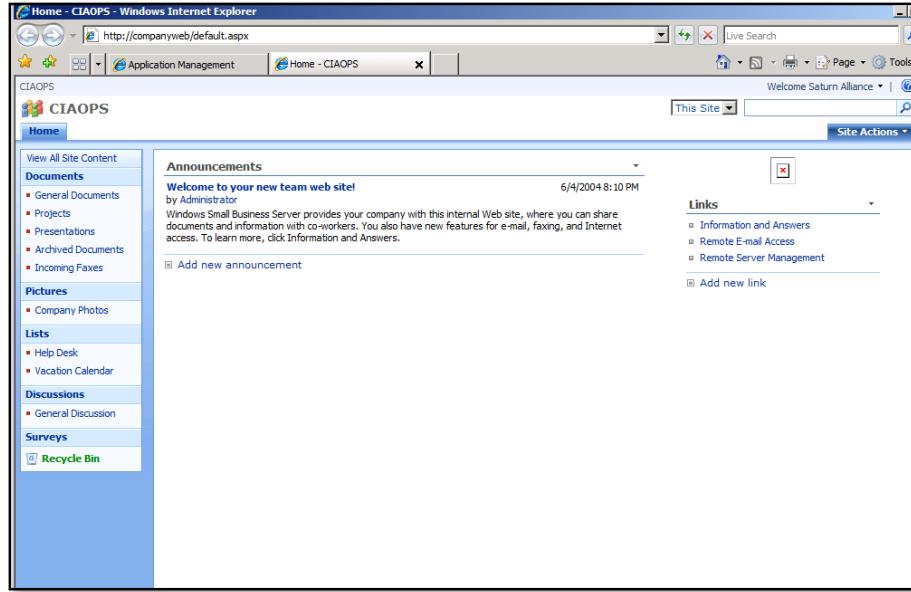
Scroll down the screen.



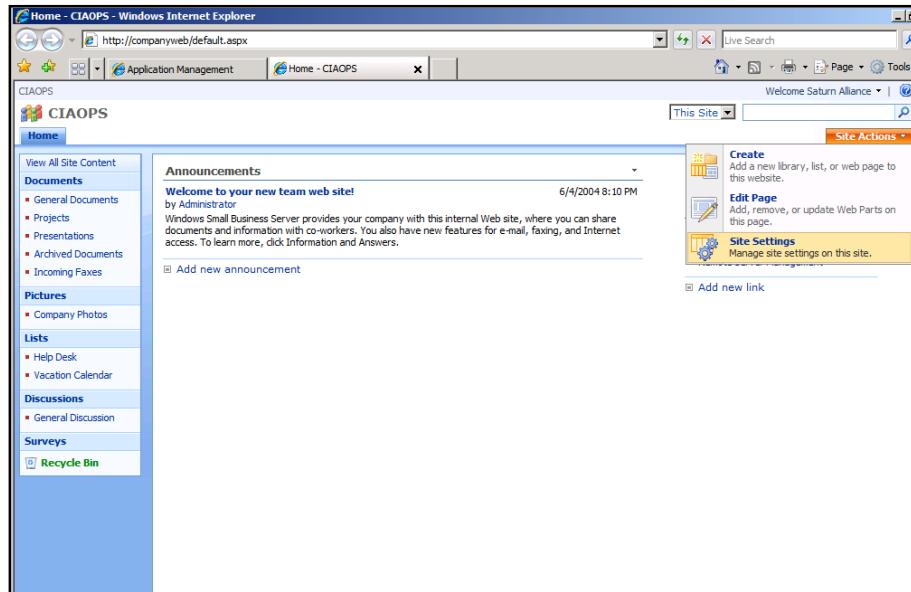
Chapter 7 – Migration and Upgrades

You should now see a section *Search Server*. Pull down the options box and select your server (in this case *server*).

Press the **OK** button at the bottom of the screen to save the configuration.

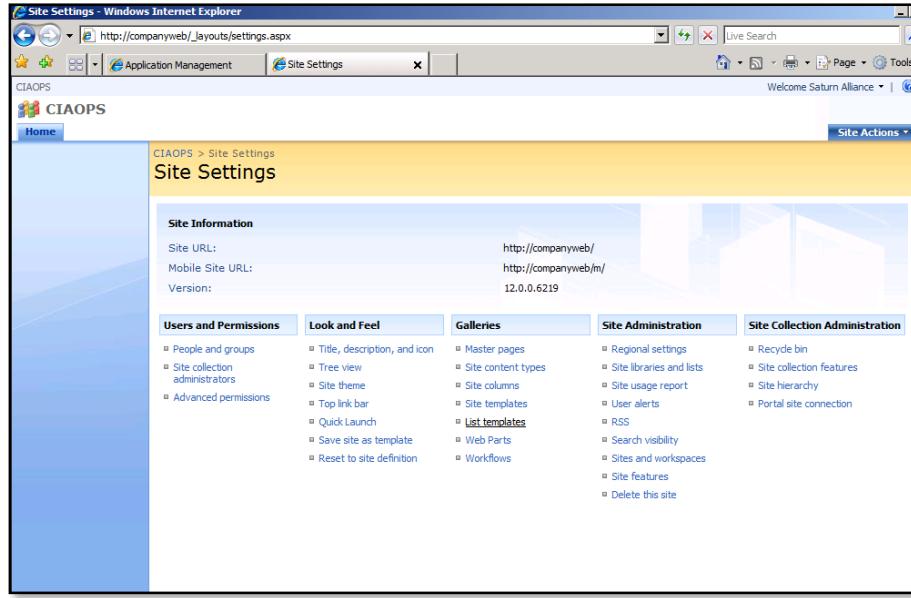


If you now return to a browser window and enter <http://companyweb> in the address line you should now see all your SharePoint v2 information displayed in WSS v3.

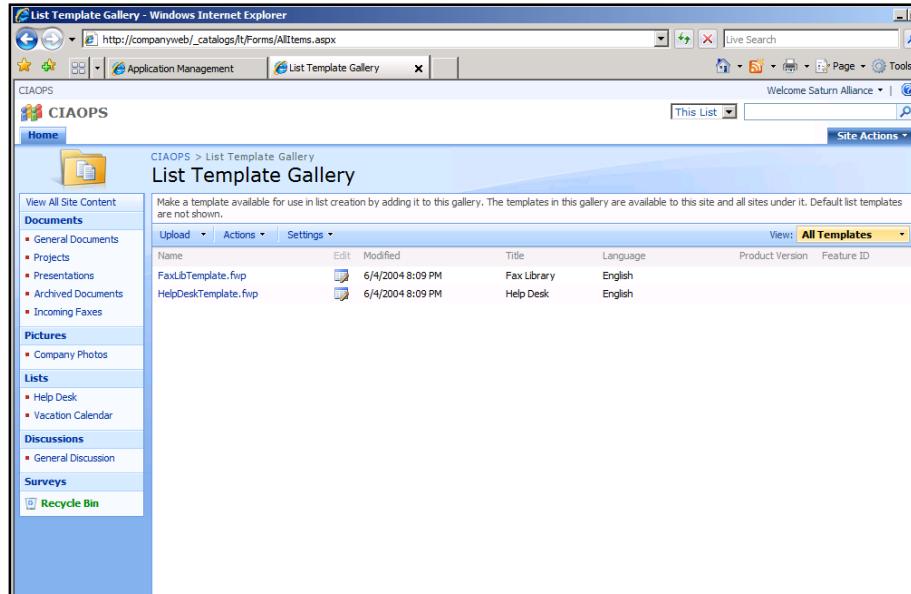


You now need to add the special SBS 2008 items that you have previously saved. To do this select **Site Actions | Site Settings** from the upper right of the window.

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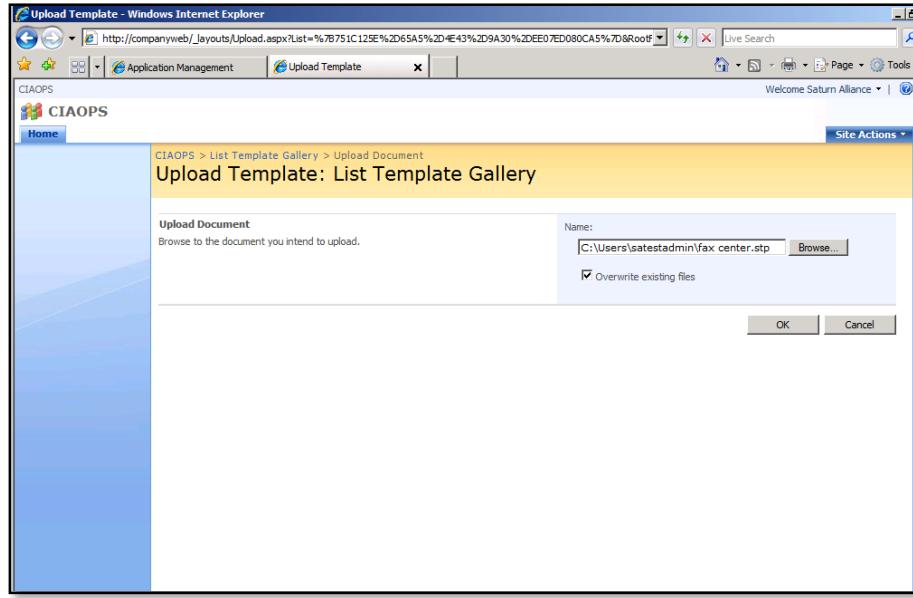


From the list of options that appear select **List templates** from under the *Galleries* section.

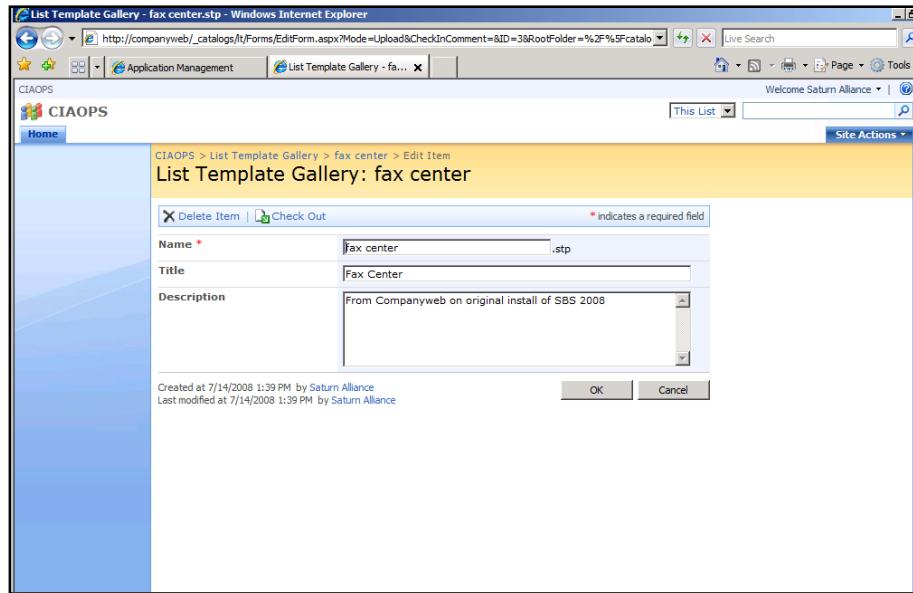


You should now see the List Template Gallery as shown above. Select **Upload** from the menu bar to add the Fax Center library you saved earlier.

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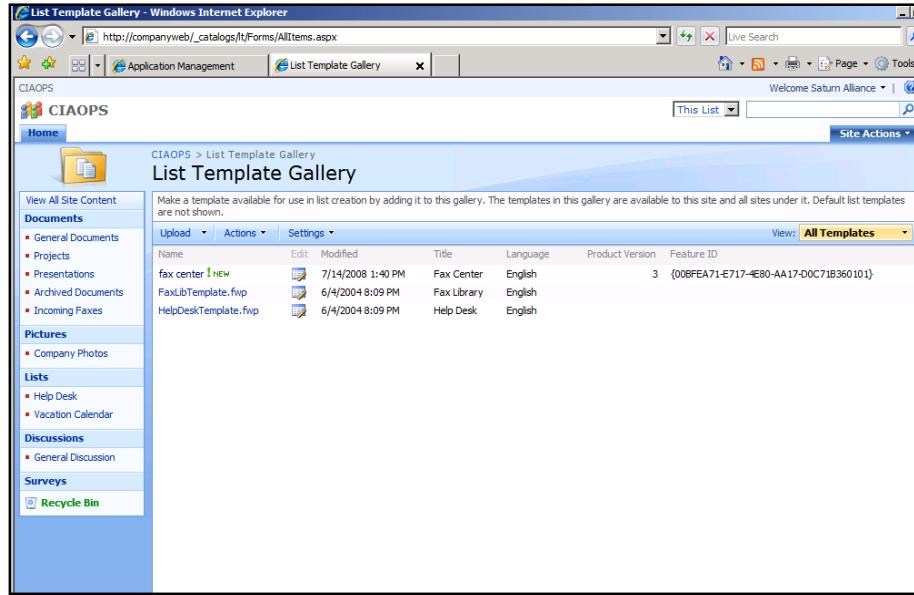


Select the browse button to locate the STP file you save previously and then press **OK** to continue.



You will now see all the details for the template you are about to load. Press **OK** to continue.

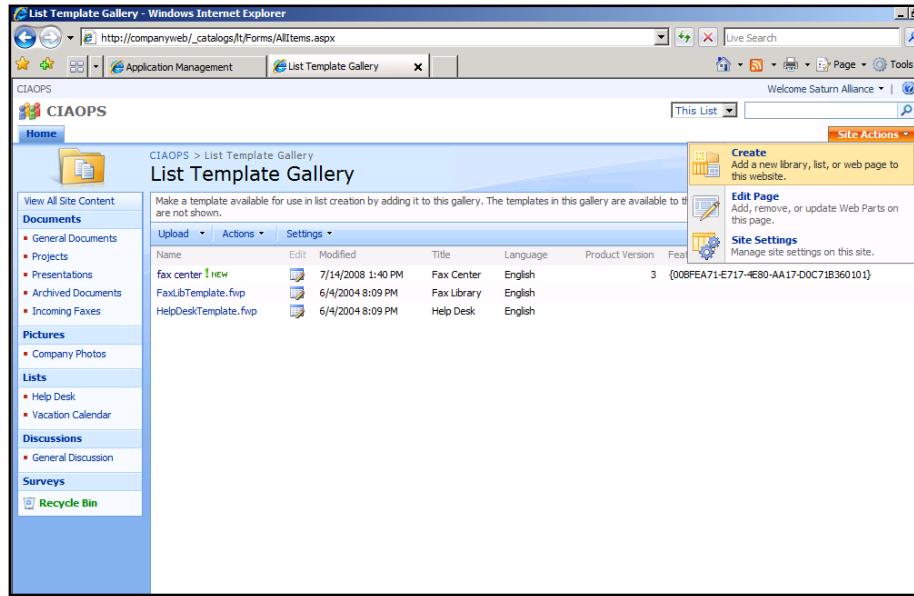
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The screenshot shows the 'List Template Gallery' page in a Windows Internet Explorer browser. The URL is http://companyweb/_catalogs/it/Forms/AllItems.aspx. The page title is 'List Template Gallery'. On the left, there is a navigation menu with links like 'View All Site Content', 'Documents', 'Pictures', 'Lists', 'Discussions', 'Surveys', and 'Recycle Bin'. The main content area displays a table of list templates. The table has columns for Name, Edit, Modified, Title, Language, Product Version, and Feature ID. There are three entries:

Name	Edit	Modified	Title	Language	Product Version	Feature ID
fax center ! NEW		7/14/2008 1:40 PM	Fax Center	English	3	{00BFEA71-E717-4E80-AA17-D0C71B360101}
FaxLibTemplate.fwp		6/4/2004 8:09 PM	Fax Library	English		
HelpDeskTemplate.fwp		6/4/2004 8:09 PM	Help Desk	English		

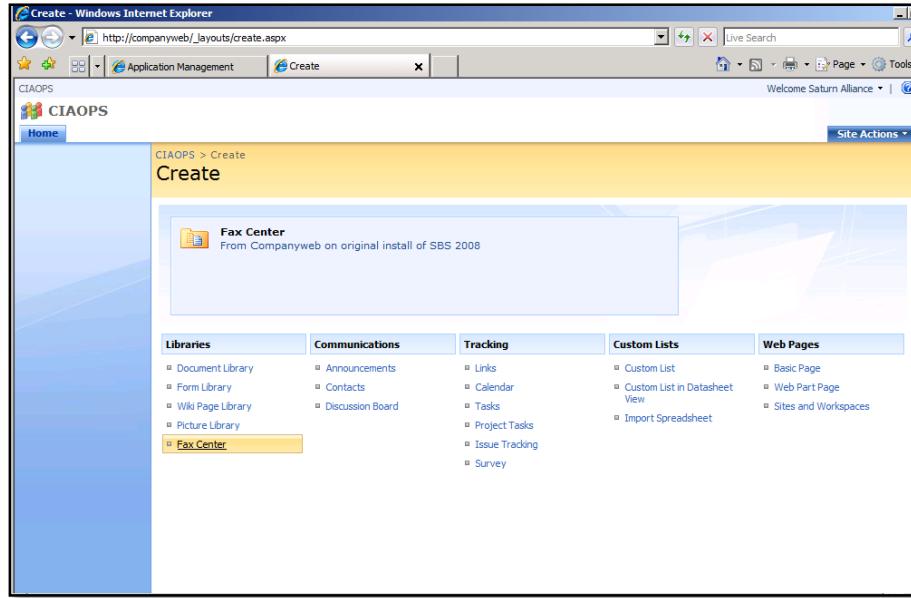
The template you have just uploaded should now appear in the List Template gallery.



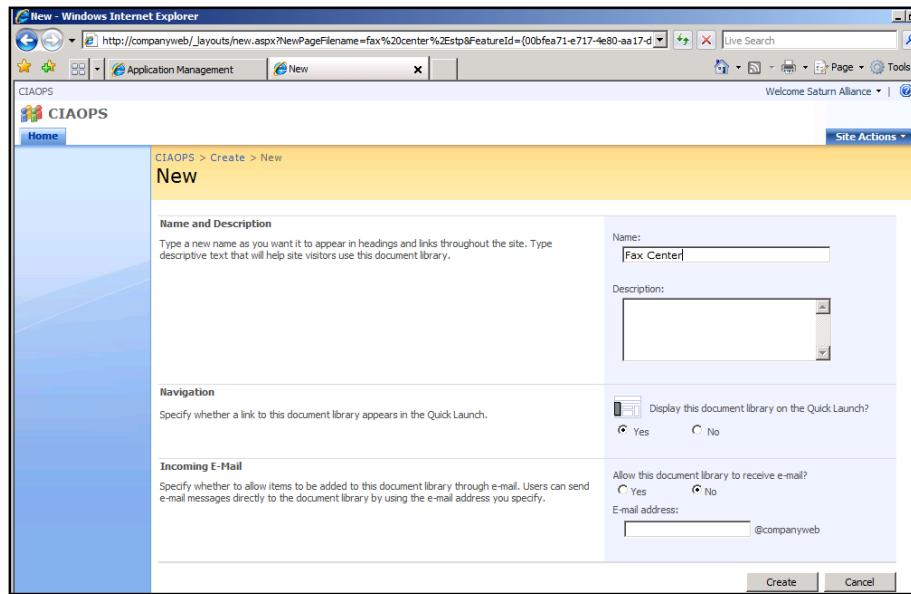
This screenshot is identical to the one above, showing the 'List Template Gallery' page in a Windows Internet Explorer browser. The 'Create' button in the top right corner is highlighted with a yellow box. The rest of the interface and data are the same as the first screenshot.

To create a new list based on this imported List Template select **Site Actions | Create** from the upper right of the window.

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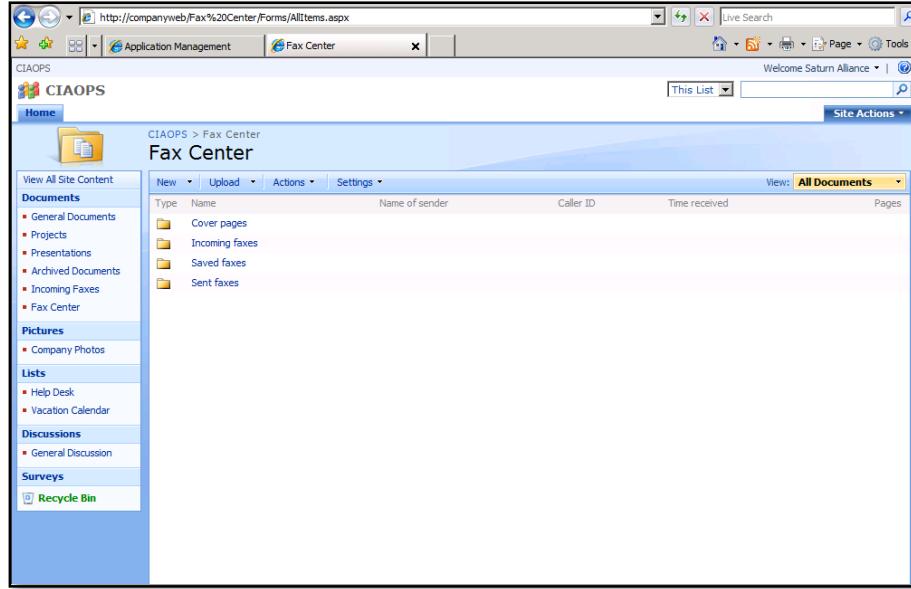
Locate the *Fax Center* link under the Libraries Group.



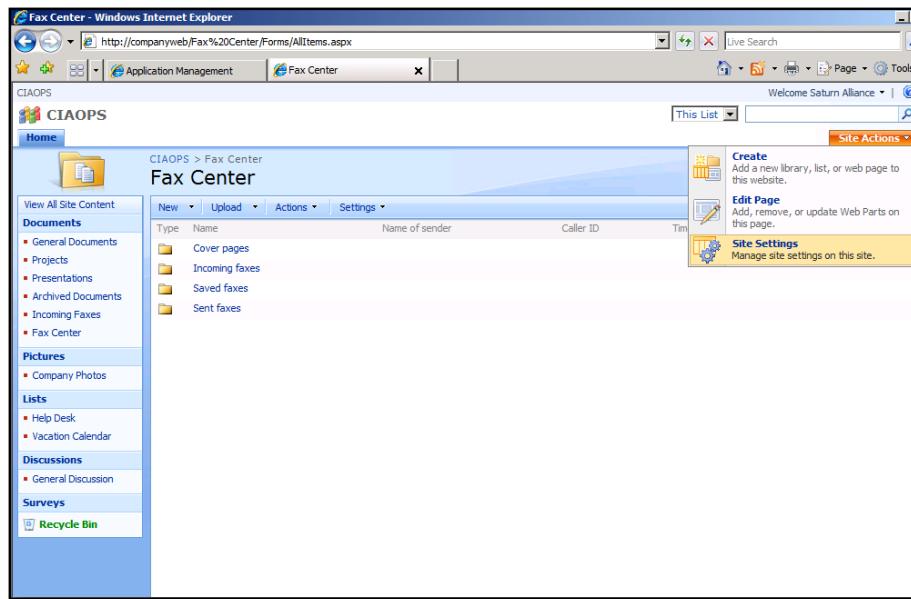
For the Name enter *Fax Center*. It is important that name is correct because this required for the SBS 2008 wizards to function correctly.

Press the **Create** button to continue.

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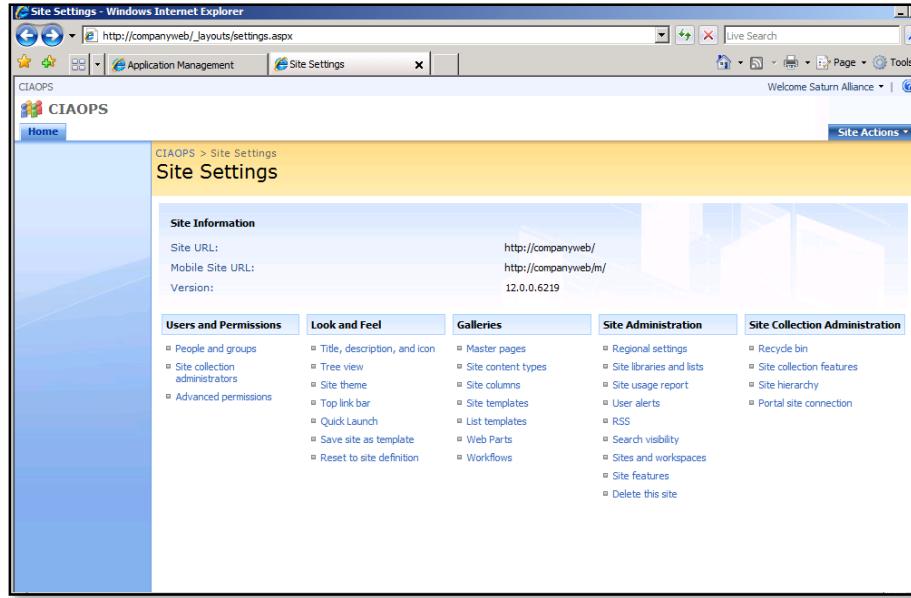


Once the library has been created it will displayed as shown above. You should see a number of sub folders.

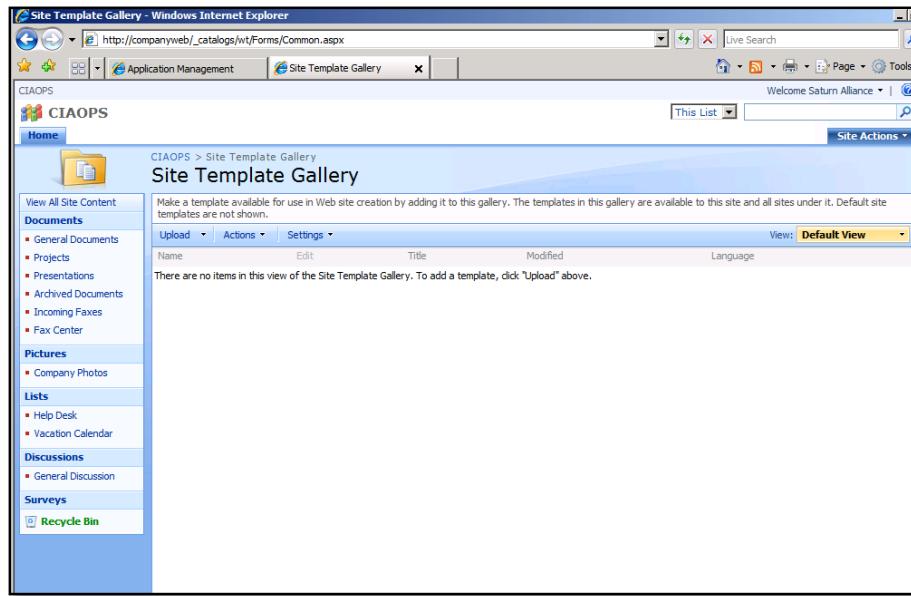


The next step is to re-create the Archived Email site. To start this process select **Site Actions | Site Settings** from the top right of the window.

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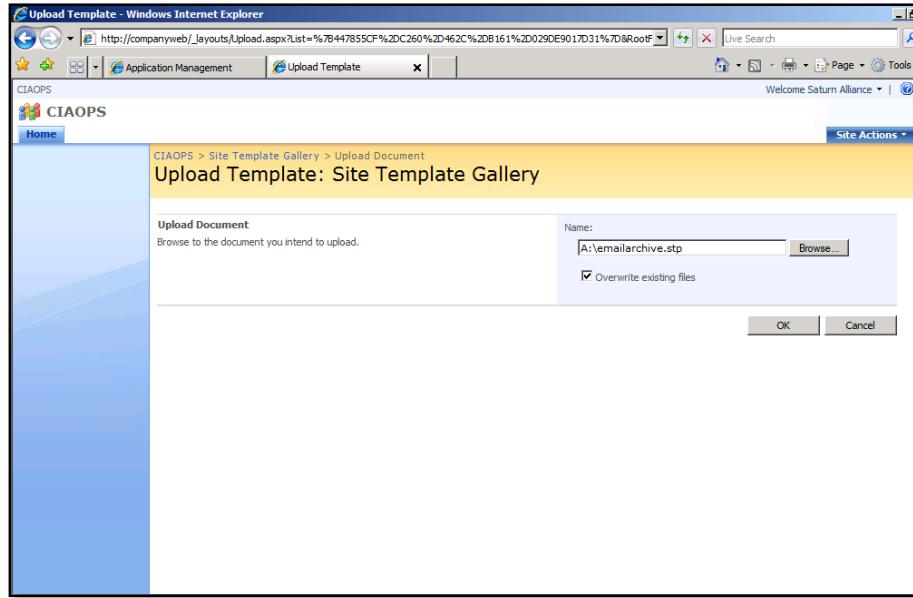


Select the **Site Templates** from under the *Galleries* section.

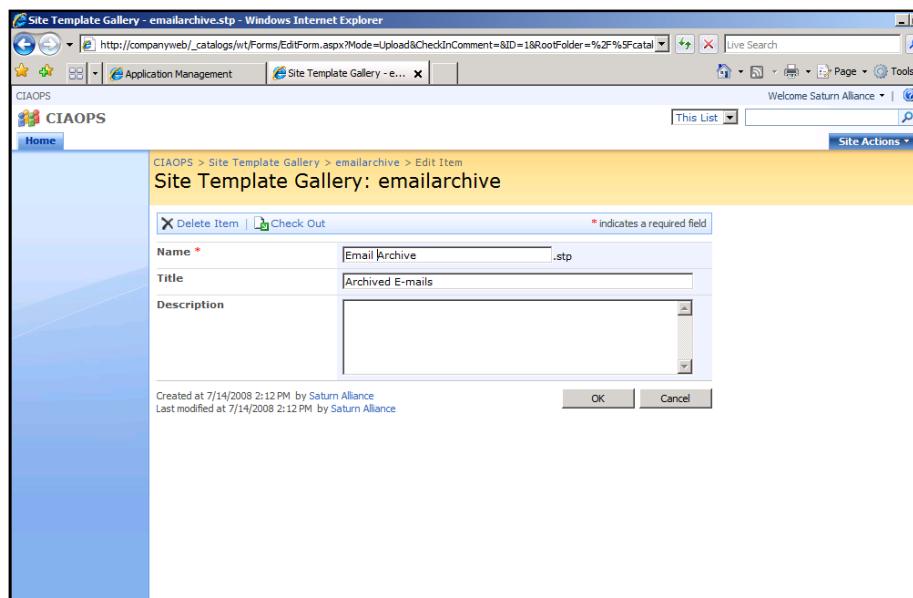


Select **Upload** from the menu on Site Template Gallery.

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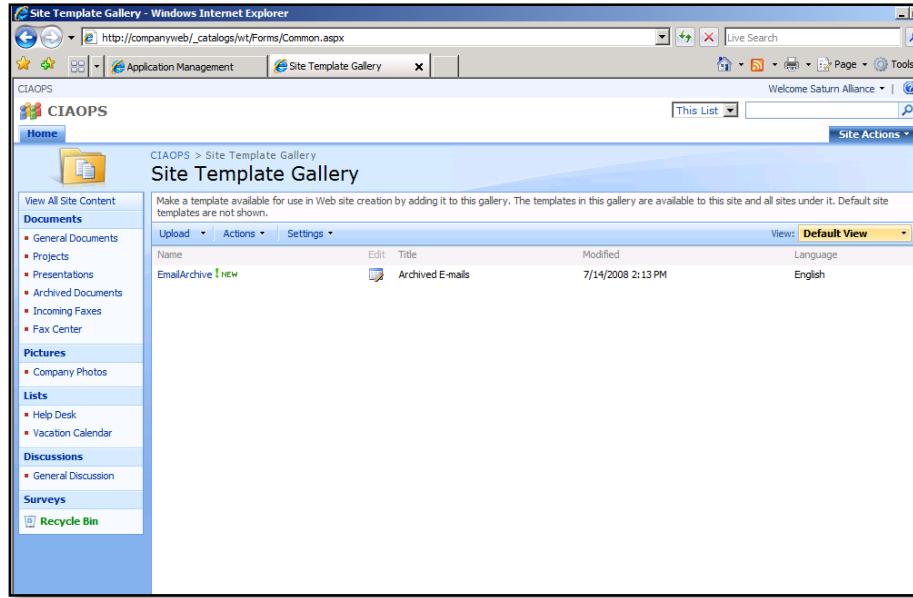


Browse to location where you previously saved the Archived Email site template and press **OK** to continue.

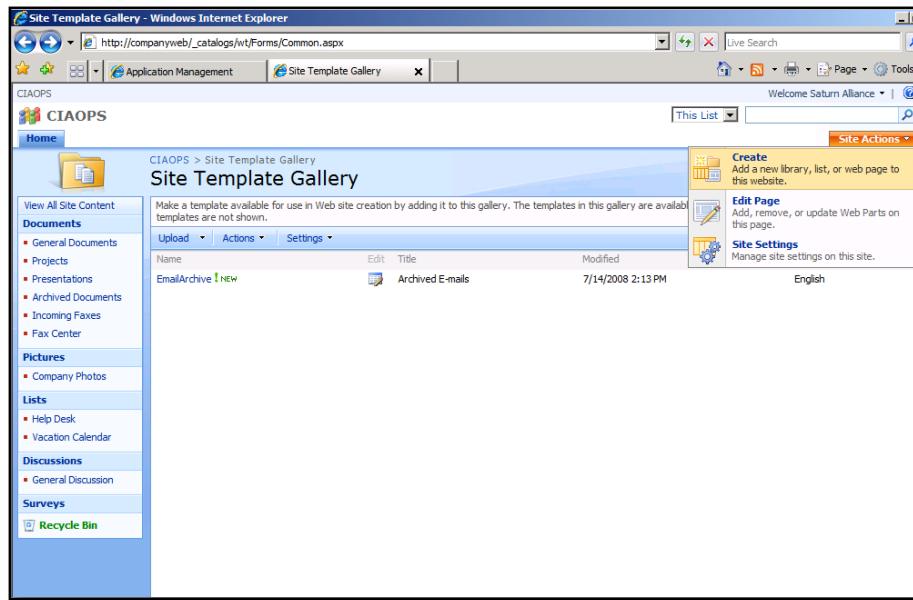


Press **OK** to continue with the upload process.

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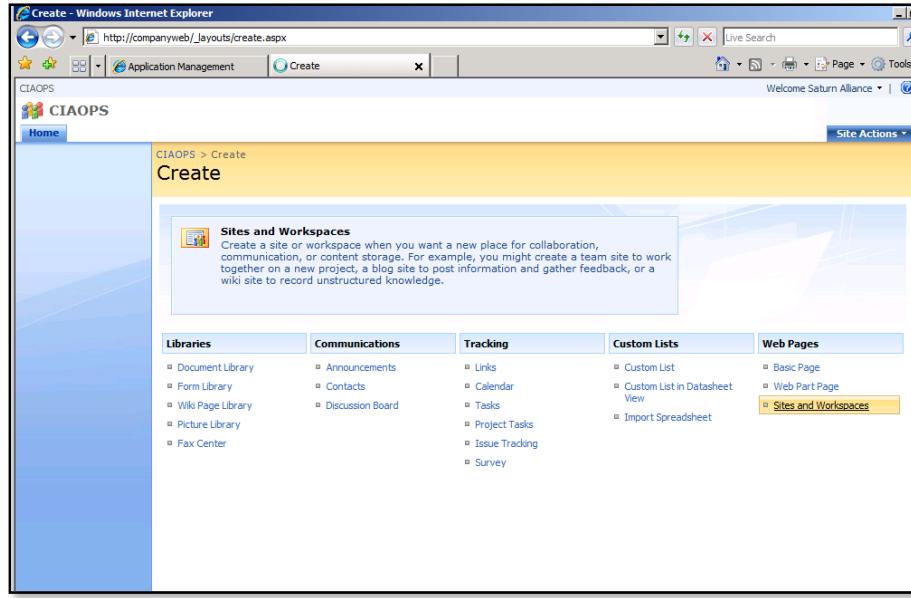


You should now see the template displayed in the list.

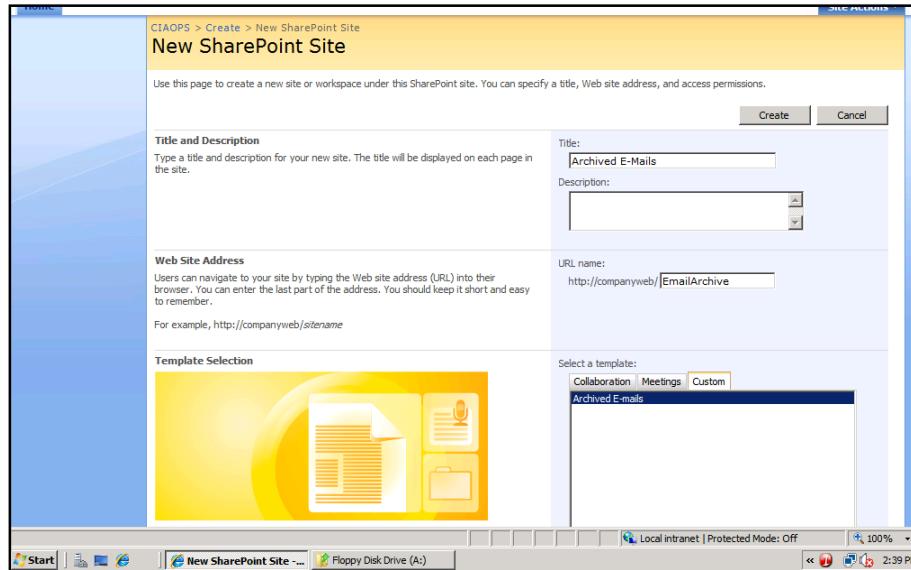


To actually create a new site based on this imported template select **Site Actions | Create** from the upper right of the window.

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Select the **Sites and Workspaces** link from the *Web Pages* section.

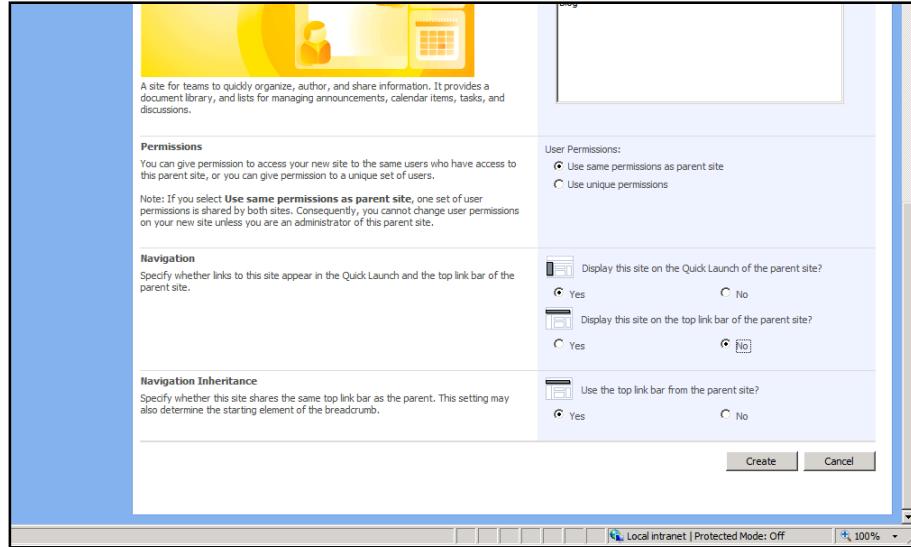


In the title insert *Archived E-Mails*. Ensure that the entry matches exactly other the SBS 2008 wizards may fail to run correctly.

In the URL extension ensure you enter *EmailArchive*.

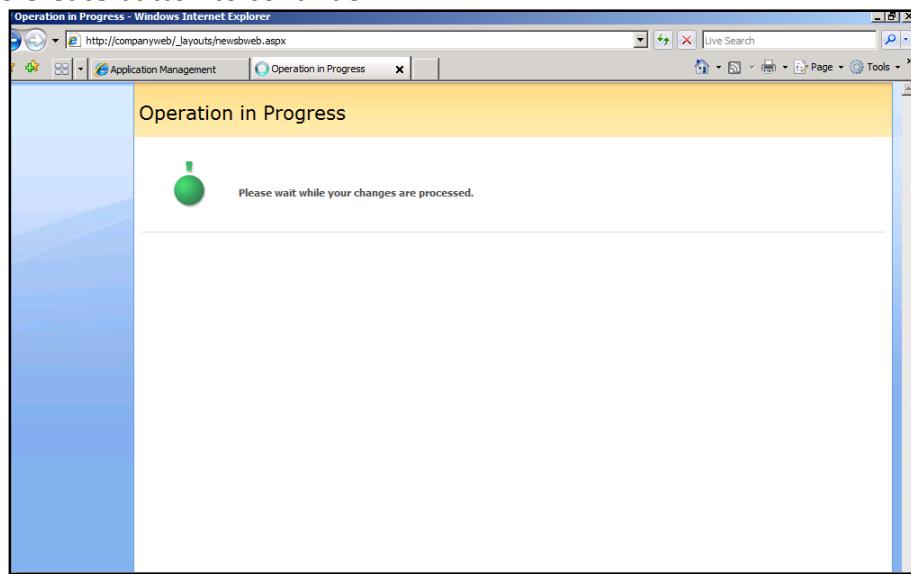
In the template selection, select the Custom tab. There should appear an item *Archived E-mails*. Select this option and scroll down the screen for more choices.

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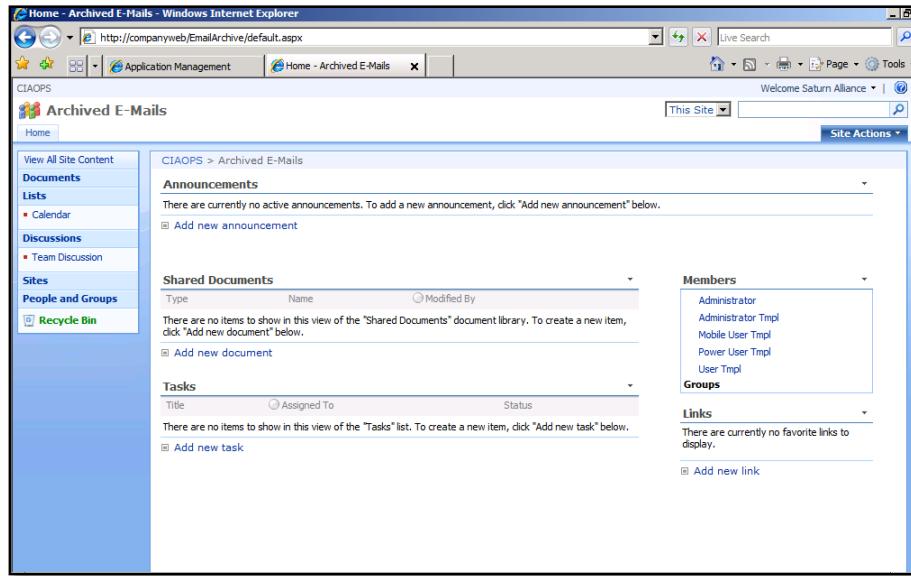
In the navigation area check **No** for Display this site on the top link bar of the parent site.

Press the **Create** button to continue.



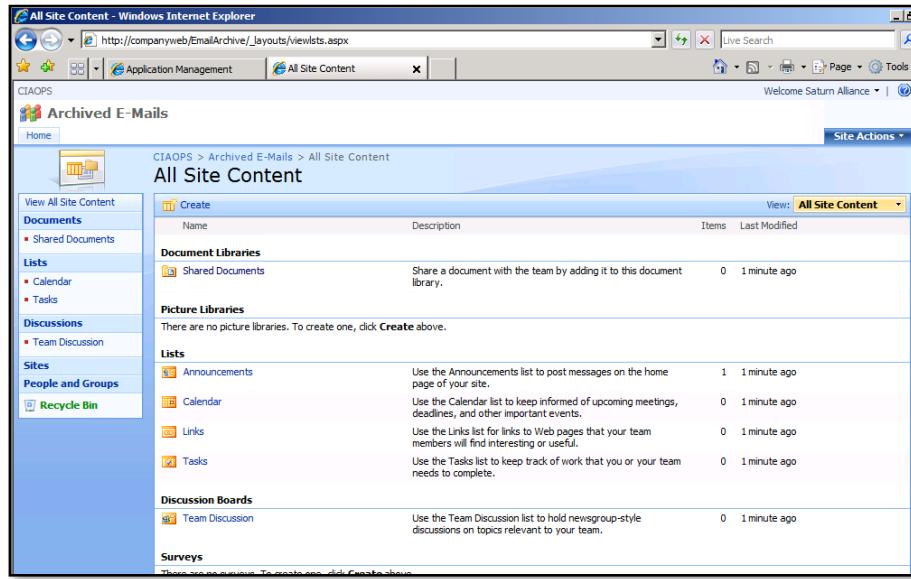
The site creation process will now run.

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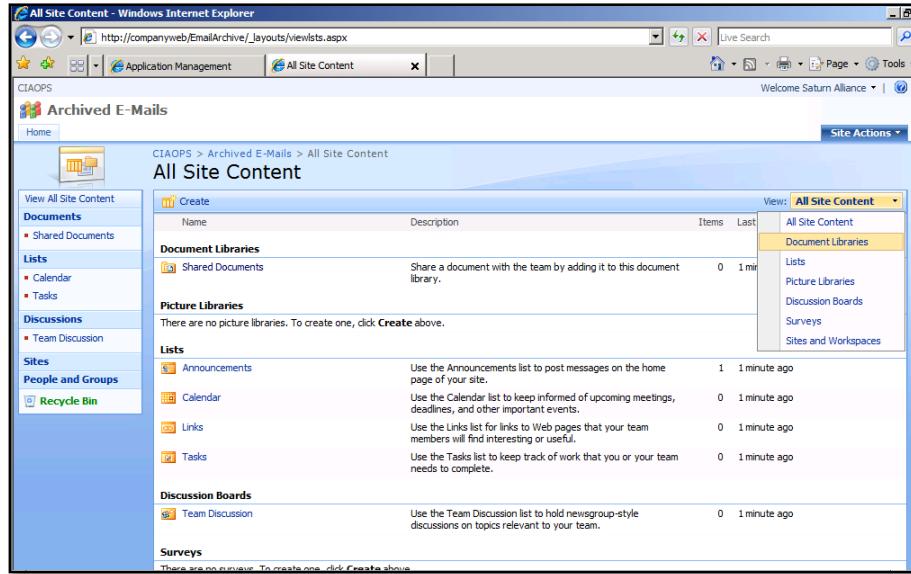
Once the site has been successfully created you should see a screen like that displayed above.

The next step to obtain the correct link for the item that will appear in the Quick start menu. Select the **View All Site Content** link from the top of the *Quick Start* menu on the upper left of the screen.



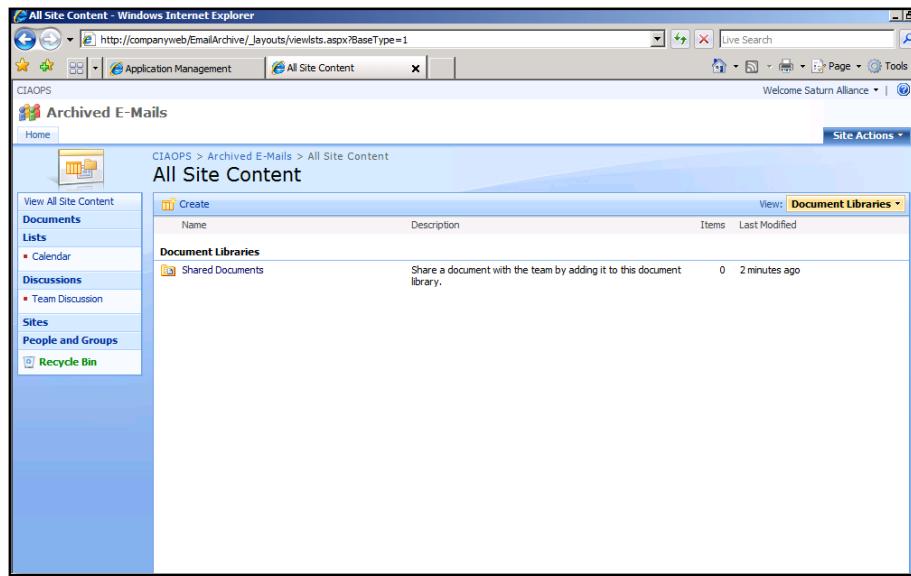
You should now see a complete list of all the contents of the Archived E-Mails site.

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The screenshot shows a Microsoft SharePoint 'All Site Content' page. The left navigation bar includes 'View All Site Content', 'Documents' (Shared Documents), 'Lists' (Calendar, Tasks), 'Discussions' (Team Discussion), 'Sites' (People and Groups, Recycle Bin), and 'Recycle Bin'. The main content area displays a table of lists under 'Document Libraries' (Shared Documents) and 'List Types' (Announcements, Calendar, Links, Tasks). A 'View' dropdown menu at the top right is set to 'All Site Content', with other options like 'Document Libraries', 'Lists', 'Picture Libraries', 'Discussion Boards', 'Surveys', and 'Sites and Workspaces' available.

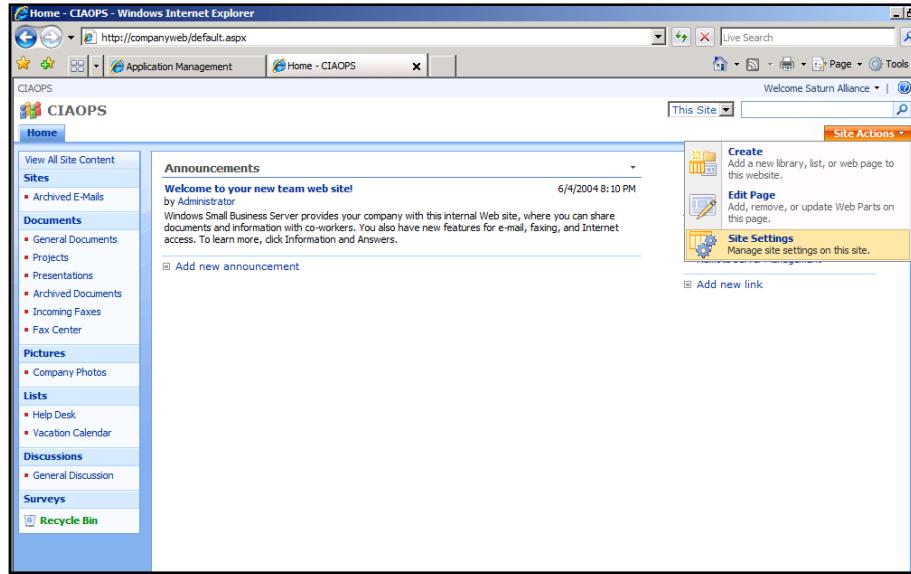
From the View options in the upper right of the window select **Document Libraries**.



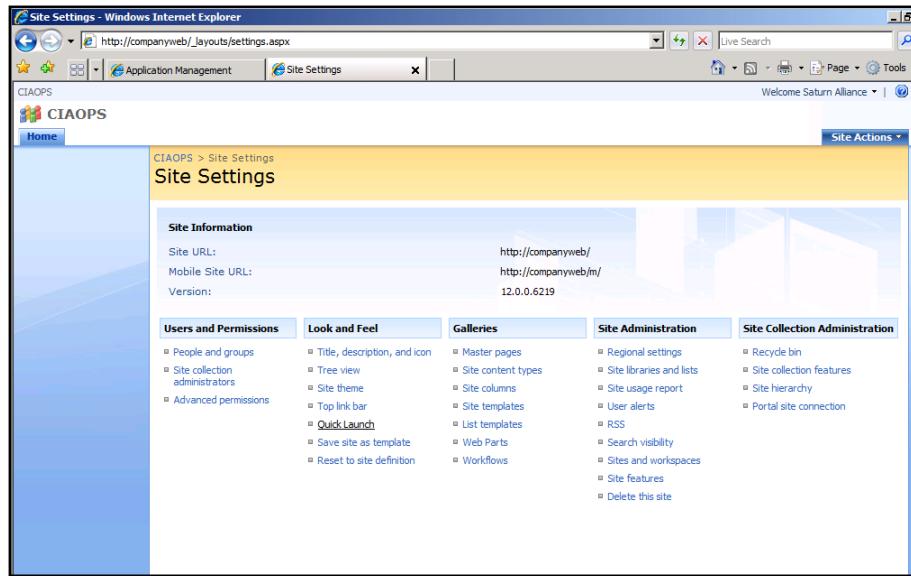
This screenshot shows the same SharePoint 'All Site Content' page as the previous one, but with the 'View' dropdown menu set to 'Document Libraries'. The main content area now displays a table with only one item: 'Shared Documents' under 'Document Libraries'.

This is now the original 'default' view of the site. Copy the address from the address line in the browser.

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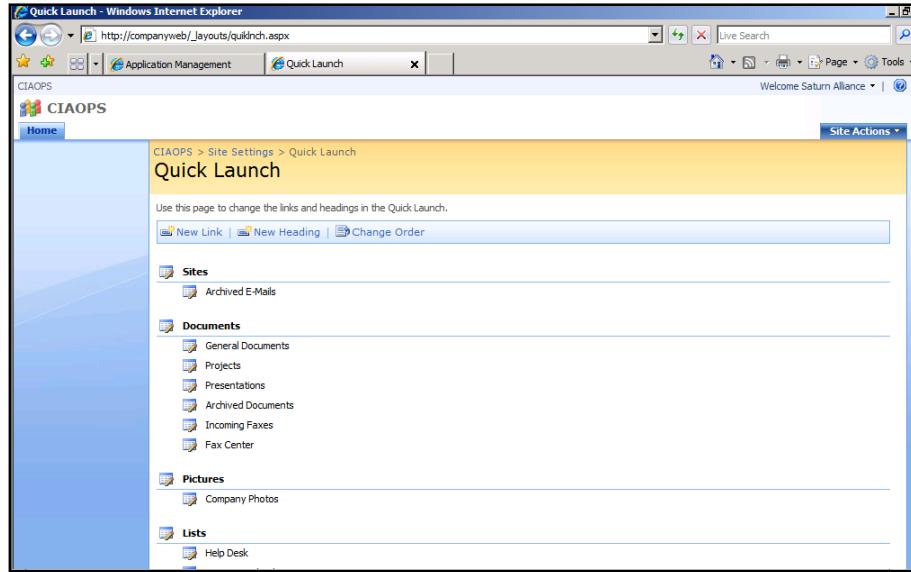


Return to the top site by pressing the **Home** tab. Then select **Site Actions | Site Settings**.

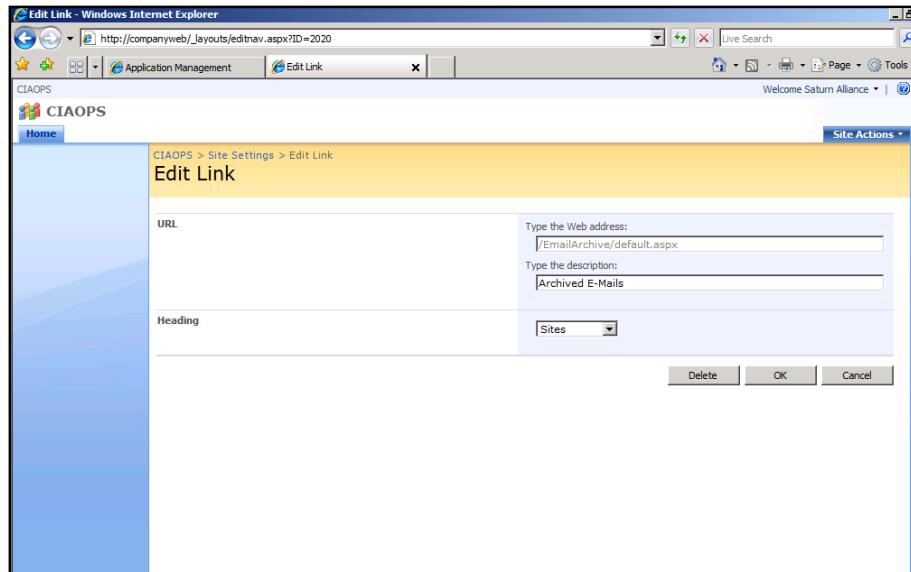


Select the **Quick Launch** link from under the *Look and Feel* section.

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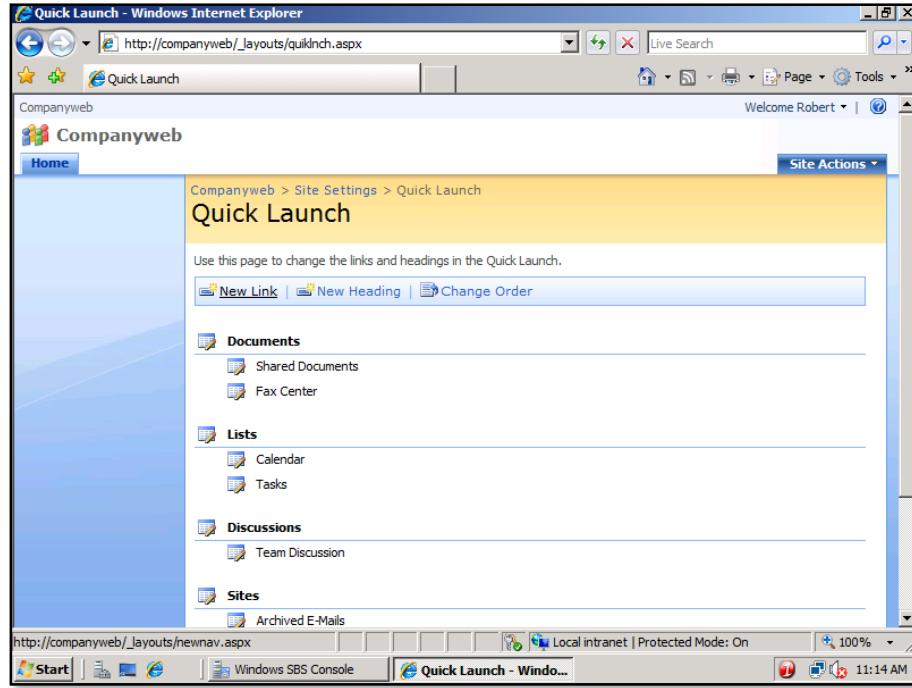


You will notice that there is already a link to the newly created Archived E-Mails site but it is not pointing in the right location. To remove this link, simply click on the **edit icon**, which is just before the text *Archived E-Mails*.

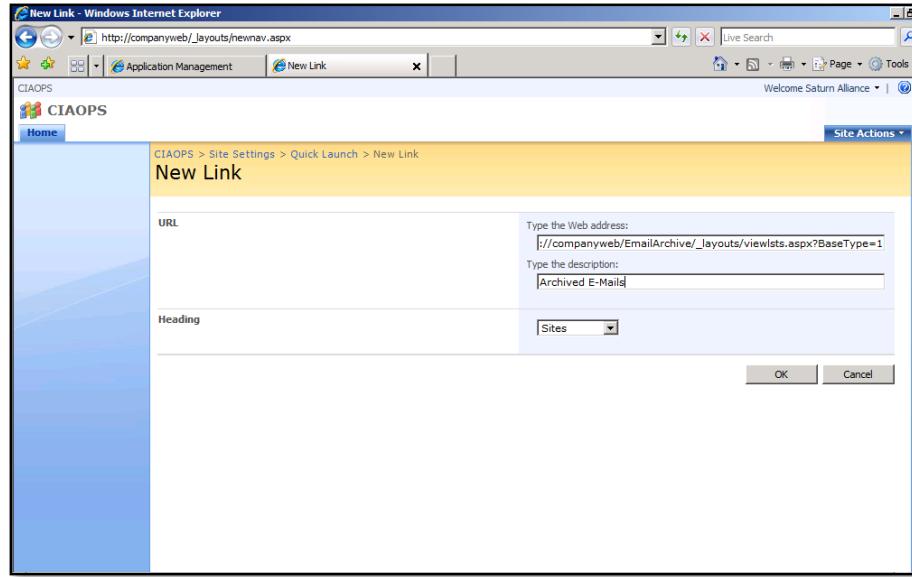


Select the **Delete** button to remove this link.

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Press the **New Link** from the menu bar.



Paste the address you copied previously into the Web Address section. Enter Archived E-Mails into the description field and then press the **OK** button to continue.

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This screenshot shows the homepage of a SharePoint 2010 site for 'Computer Information Agency'. The left navigation bar includes links for 'View All Site Content', 'Sites' (Archive E-Mails), 'Documents' (General Documents, Projects, Archived Documents, Incoming Faxes, HP Newsletters, Manual, Fax Center), 'Pictures' (Company Photos, Supplier Logos, Product Images), and 'Lists' (Help Desk, Vacation Calendar, Recycled PC waiting List, To do list, Issues, Testing). The main content area features an 'Announcements' section with a message about no active announcements and a link to 'Add new announcement'. Below it is a 'Company Calendar' for December 2008. The calendar shows several events: '6:00 PM SBS UG Meeting' on 9th, '9:00 AM MM Scheduled Maintenance' on 11th, and '17' highlighted in yellow. The right sidebar contains a logo for 'CIA' and a 'Links' section with items like 'Information', 'Remote', 'CIA Hosted Seminars', and 'Add new link'.

If you now return to the Home page of your Companyweb site it should appear similar to what the old site looked like. You may need to do some additional work to the site but basically all the data is across and the site is functioning in the SBS 2008 environment.

The final step in the process is to recreate the original SBS 2008 Companyweb security groups.

This screenshot shows the same SharePoint 2010 site as the previous one, but with the 'Site Actions' menu open on the right side of the screen. The 'Site Actions' menu includes options for 'Create', 'Edit Page', 'Site Settings' (which is highlighted in yellow), and 'Links'. The 'Site Settings' option is described as 'Manage site settings on this site.' The rest of the page content is identical to the first screenshot, including the announcements, calendar, and right sidebar.

Select **Site Actions | Site Settings** from the upper right of the screen.

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Computer Information Agency > Site Settings

Site Settings

Site Information

Site URL:	http://companyweb/
Mobile Site URL:	http://companyweb/m/
Version:	12.0.0.6219

Users and Permissions

- [People and groups](#)
- [Site collection administrators](#)
- [Advanced permissions](#)

Look and Feel

- [Title, description, and icon](#)
- [Tree view](#)
- [Site theme](#)
- [Top link bar](#)
- [Quick Launch](#)
- [Save site as template](#)
- [Reset to site definition](#)

Galleries

- [Master pages](#)
- [Site content types](#)
- [Site columns](#)
- [Site templates](#)
- [List templates](#)
- [Web Parts](#)
- [Workflows](#)

Site Administration

- [Regional settings](#)
- [Site libraries and lists](#)
- [Site usage report](#)
- [User alerts](#)
- [RSS](#)
- [Search visibility](#)
- [Sites and workspaces](#)
- [Site features](#)
- [Delete this site](#)

Site Collection Administration

- [Recycle bin](#)
- [Site collection features](#)
- [Site hierarchy](#)
- [Portal site connection](#)

In the *Site Settings* select **People and groups** from the *Users and Permissions* section on the left hand side of screen.

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The screenshot shows the 'People and Groups: All People' page in SharePoint. At the top, there's a breadcrumb navigation: Computer Information Agency > People and Groups. Below the header, a sub-header reads: 'Use this page to view and manage all people for this site collection.' A ribbon bar at the top has tabs for 'New', 'Actions' (which is selected), and 'Settings'. In the main content area, there's a table listing users. The first user listed, 'CIA support', has a checked checkbox in the selection column. The second user, 'CIA Support 2', also has a checked checkbox. The third user, 'ciaback', and the fourth user, 'NX6120 Laptop', both have unchecked checkboxes. To the right of each user is their name. Above the user list, there's a dropdown menu under the 'Actions' tab. The menu items are: 'E-Mail Users' (Send an e-mail to selected users), 'Call/Message Selected Users' (Call the selected users), and 'Delete Users from Site Collection' (Delete selected users from this site collection). The 'Delete Users from Site Collection' option is highlighted with a yellow background and a black border.

You will now see a complete list of SharePoint users. If you have migrated the site from a different domain you may find users who are no longer valid on your domain. To remove these users simply place a check in the box on the left hand side of the user and select **Actions | Delete Users from Site Collection**.

You can add additional Companyweb users here but a better option is to create SharePoint security groups and add network users to these groups.

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To create a new group select **New | New Group** from the menu bar.

A screenshot of the 'New Group' creation page. The title bar says 'Computer Information Agency > People and Groups > New Group'. The main area is titled 'New Group'. It contains a sub-instruction 'Use this page to create a group.' On the left, there are two sections: 'Name and About Me Description' (with a note 'Type a name and description for the group.') and 'Owner' (with a note 'The owner can change anything about the group such as adding and removing members or deleting the group. Only one user or group can be the owner.'). On the right, there are fields for 'Name' (containing 'CompanyWeb Members') and 'About Me' (containing 'CompanyWeb Members'). Below these are sections for 'Group Settings' (with notes about who can view and edit the group) and 'Group Owner' (with a field containing 'Robert Crane').

Name and About Me Description	Name: <input type="text" value="CompanyWeb Members"/>
Owner	Group owner: <input type="text" value="Robert Crane"/>
Group Settings	Who can view the membership of the group? <input checked="" type="radio"/> Group Members <input type="radio"/> Everyone
	Who can edit the membership of the group? <input checked="" type="radio"/> Group Owner <input type="radio"/> Group Members

You need to create three groups in order to be identical to those on the pre-migration version of SBS 2008 Companyweb.

Into the *Name* box type : **CompanyWeb Members**. Then into *About Me* box: type **CompanyWeb Members**. It is recommended that case lettering be maintained for consistency.

Enter a valid network user as the *Group owner* (normally the network administrator). Leave the *Group Settings* as default and scroll down the page.

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Owner The owner can change anything about the group such as adding and removing members or deleting the group. Only one user or group can be the owner.	Group owner: <input type="text" value="Robert Crane"/>
Group Settings Specify who has permission to see the list of group members and who has permission to add and remove members from the group.	Who can view the membership of the group? <input checked="" type="radio"/> Group Members <input type="radio"/> Everyone Who can edit the membership of the group? <input checked="" type="radio"/> Group Owner <input type="radio"/> Group Members
Membership Requests Specify whether to allow users to request membership in this group and allow users to request to leave the group. All requests will be sent to the e-mail address specified. If Auto-accept is enabled, users will automatically be added or removed when they make a request. Caution: If you select yes for the Auto-accept requests option, any user requesting access to this group will automatically be added as a member of the group and receive the permission levels associated with the group.	Allow requests to join/leave this group? <input type="radio"/> Yes <input checked="" type="radio"/> No Auto-accept requests? <input type="radio"/> Yes <input checked="" type="radio"/> No Send membership requests to the following e-mail address: <input type="text" value="robert@sbs2008.local"/>
Give Group Permission to this Site Specify the permission level that you want members of this SharePoint group to have on this site. If you do not want to give group members access to this site, ensure that all checkboxes are unselected. View site permission assignments	Choose the permission level group members get on this site: http://companyweb <input type="checkbox"/> Full Control - Full control of the scope. <input checked="" type="checkbox"/> Design - Can create lists and document libraries and edit pages in the Web site. <input type="checkbox"/> Contribute - Can create and edit items in existing lists and document libraries. <input type="checkbox"/> Read - Read-only access to the Web site.
<input type="button" value="Create"/> <input type="button" value="Cancel"/>	

Leave the *Membership Requests* sections as default but in the *Give Group Permissions to this Site* area ensure that the *Design* option is checked.

Press the **Create** button to create the group.

Computer Information Agency > People and Groups

People and Groups: CompanyWeb Members

CompanyWeb Members				
New	Actions	Settings	View: Detail View	
	Picture	Name	About Me	Job Title
<input type="checkbox"/>		Robert Crane		Department

Upon completion you should see a display of the members of the group *CompanyWeb Members* you just created. The only current member will be that user you made the group owner.

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The screenshot shows the SharePoint 'People and Groups' page for the 'CompanyWeb Members' group. At the top, there's a breadcrumb navigation: 'Computer Information Agency > People and Groups'. Below the header, the title 'People and Groups: CompanyWeb Members' is displayed. A navigation bar contains 'New', 'Actions', and 'Settings' buttons. A dropdown menu under 'New' is open, showing two options: 'Add Users' (which is described as 'Add users to a group or site.') and 'New Group' (which is described as 'Create a new SharePoint group.'). The 'New Group' option is highlighted with a yellow background. On the right side of the page, there's a user profile for 'me' (Albert Crane), with links for 'About Me' and 'Job'.

To create the second standard SBS 2008 Companyweb group, select **New | New Group** from the menu.

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Computer Information Agency > People and Groups > New Group

New Group

Use this page to create a group.

Name and About Me Description
Type a name and description for the group.

Name:

About Me:

CompanyWeb Owners

Owner
The owner can change anything about the group such as adding and removing members or deleting the group. Only one user or group can be the owner.

Group owner:

Group Settings
Specify who has permission to see the list of group members and who has permission to add and remove members from the group.

Who can view the membership of the group?
 Group Members Everyone

Who can edit the membership of the group?
 Group Owner Group Members

Membership Requests
Specify whether to allow users to request membership in this group and allow users to request to leave the group. All requests will be sent to the e-mail address specified. If auto-accept is enabled, users will automatically be added

Allow requests to join/leave this group?
 Yes No

Auto-accept requests?

In the **Name** box enter: **CompanyWeb Owners** and into the **About Me** box again enter: **Companyweb Owners**. It is recommended that you maintain case lettering for compatibility.

Enter a valid network user as the **Group Owner** (network administrator recommended).

Leave the **Group Settings** as default and scroll down the page.

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Owner The owner can change anything about the group such as adding and removing members or deleting the group. Only one user or group can be the owner.	Group owner: <input type="text" value="Robert Crane"/>
Group Settings Specify who has permission to see the list of group members and who has permission to add and remove members from the group.	Who can view the membership of the group? <input checked="" type="radio"/> Group Members <input type="radio"/> Everyone Who can edit the membership of the group? <input checked="" type="radio"/> Group Owner <input type="radio"/> Group Members
Membership Requests Specify whether to allow users to request membership in this group and allow users to request to leave the group. All requests will be sent to the e-mail address specified. If auto-accept is enabled, users will automatically be added or removed when they make a request. Caution: If you select yes for the Auto-accept requests option, any user requesting access to this group will automatically be added as a member of the group and receive the permission levels associated with the group.	Allow requests to join/leave this group? <input type="radio"/> Yes <input checked="" type="radio"/> No Auto-accept requests? <input type="radio"/> Yes <input checked="" type="radio"/> No Send membership requests to the following e-mail address: <input type="text" value="robert@sbs2008.local"/>
Give Group Permission to this Site Specify the permission level that you want members of this SharePoint group to have on this site. If you do not want to give group members access to this site, ensure that all checkboxes are unselected. View site permission assignments	Choose the permission level group members get on this site: http://companyweb <input checked="" type="checkbox"/> Full Control - Full control of the scope. <input type="checkbox"/> Design - Can create lists and document libraries and edit pages in the Web site. <input type="checkbox"/> Contribute - Can create and edit items in existing lists and document libraries. <input type="checkbox"/> Read - Read-only access to the Web site.
<input type="button" value="Create"/> <input type="button" value="Cancel"/>	

Leave *Membership Requests* as default.

In the *Give Group Permission to Site Area* ensure that the *Full Control* option is checked.

Press the **Create** button to continue.

Computer Information Agency > People and Groups

People and Groups: CompanyWeb Owners

CompanyWeb Owners				
New	Actions	Settings	Name	About Me
			<input type="radio"/> Name Robert Crane	

Upon completion you should see a display of the members of the group *CompanyWeb Owners* you just created. The only current member will be that user you made the group owner.

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To create the final standard SBS 2008 Companyweb group, select **New | New Group** from the menu.

A screenshot of the 'Change Group Settings' page for 'CompanyWeb Visitors'. The 'Name' field contains 'CompanyWeb Visitors'. The 'About Me' field contains 'CompanyWeb Visitors'. In the 'Owner' section, 'Robert Crane' is listed as the 'Group owner'. Under 'Group Settings', the 'Who can view the membership of the group?' section has 'Group Members' selected. The 'Who can edit the membership of the group?' section also has 'Group Members' selected.

In the **Name** box enter: **CompanyWeb Visitors** and into the **About Me** box again enter: **Companyweb Visitors**. It is recommended that you maintain case lettering for compatibility.

Enter a valid network user as the **Group Owner** (network administrator recommended).

Leave the **Group Settings** as default and scroll down the page.

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Owner
The owner can change anything about the group such as adding and removing members or deleting the group. Only one user or group can be the owner.

Group Settings
Specify who has permission to see the list of group members and who has permission to add and remove members from the group.

Membership Requests
Specify whether to allow users to request membership in this group and allow users to request to leave the group. All requests will be sent to the e-mail address specified. If auto-accept is enabled, users will automatically be added or removed when they make a request.

Caution: If you select yes for the Auto-accept requests option, any user requesting access to this group will automatically be added as a member of the group and receive the permission levels associated with the group.

Give Group Permission to this Site
Specify the permission level that you want members of this SharePoint group to have on this site. If you do not want to give group members access to this site, ensure that all checkboxes are unselected.
[View site permission assignments](#)

Group owner:   

Who can view the membership of the group?
 Group Members Everyone

Who can edit the membership of the group?
 Group Owner Group Members

Allow requests to join/leave this group?
 Yes No

Auto-accept requests?
 Yes No

Send membership requests to the following e-mail address:

Choose the permission level group members get on this site: <http://companyweb>

Full Control - Full control of the scope.
 Design - Can create lists and document libraries and edit pages in the Web site.
 Contribute - Can create and edit items in existing lists and document libraries.
 Read - Read-only access to the Web site.]

Create **Cancel**

Leave *Membership Requests* as default.

In the *Give Group Permission to Site* area ensure that the *Read* option is checked.

Press the **Create** button to continue.

Computer Information Agency > People and Groups

People and Groups: CompanyWeb Visitors

CompanyWeb Visitors

New | Actions | Settings

Picture	Name	About Me
 	Robert Crane	

Upon completion you should see a display of the members of the group *CompanyWeb Visitors* you just created. The only current member will be that user you made the group owner.

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You are now able to add network users to these groups to give them rights to CompanyWeb, which is the recommended way that rights should be given.

If you used or require different security levels for Companyweb than those detailed here then you will need to re-establish these to provide the same level of access, especially if you have migrated from a different domain.

Remember that the recommended practice is always to add SharePoint users to SharePoint groups and then uses these groups to provide access to the required content. This will make assigning new users access to your site much easier.

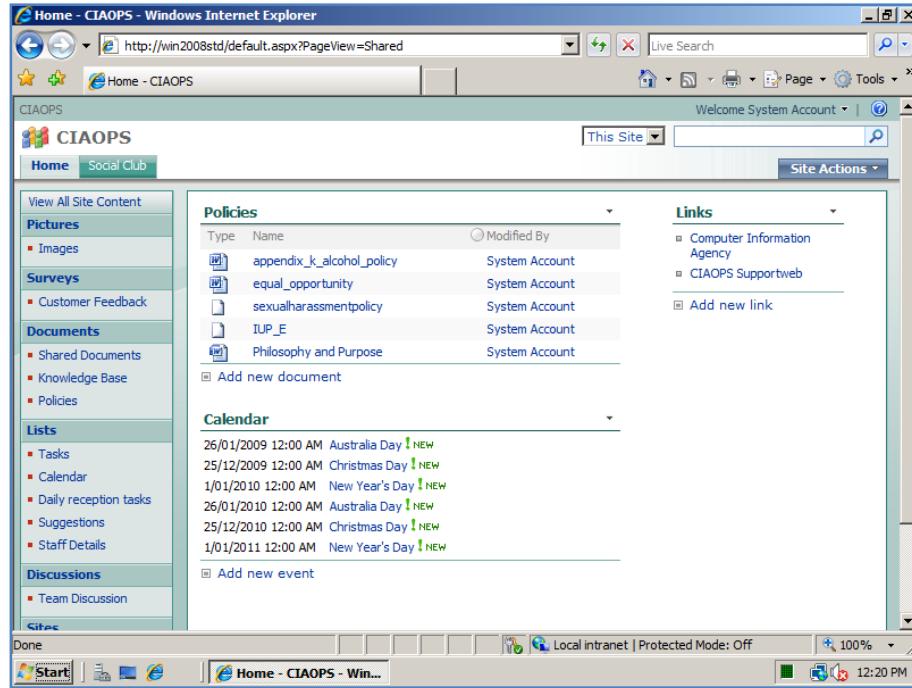
Group	Edit	About Me
CompanyWeb Members		CompanyWeb Members
CompanyWeb Owners		CompanyWeb Owners
CompanyWeb Visitors		CompanyWeb Visitors
NT AUTHORITY\authenticated users		

If you click on the *Groups* item from the *Quick Start* menu on the left hand side of the screen you will see the three ‘standard’ SBS 2008 Companyweb groups just created. You may also notice other groups that have come across during the migration process. You can modify or delete these groups as required.

7.7 Stsadm import/export

Another possible method of migration is to use the stsadm commands import/export. More information about this command can be found in section **13.8 - Exporting and importing a site**. The advantage with the stsadm export/import command is that it merges the exported site into the destination site maintaining most of the structure. The stsadm export/import command can only be run on WSS v3 sites so it cannot be used to migrate from SharePoint v2. The command also needs to run in environments that are almost identical. If some additional web parts and add-ons have been installed into the source WSS v3 site they will need to also be in the destination site prior to this process or errors will occur.

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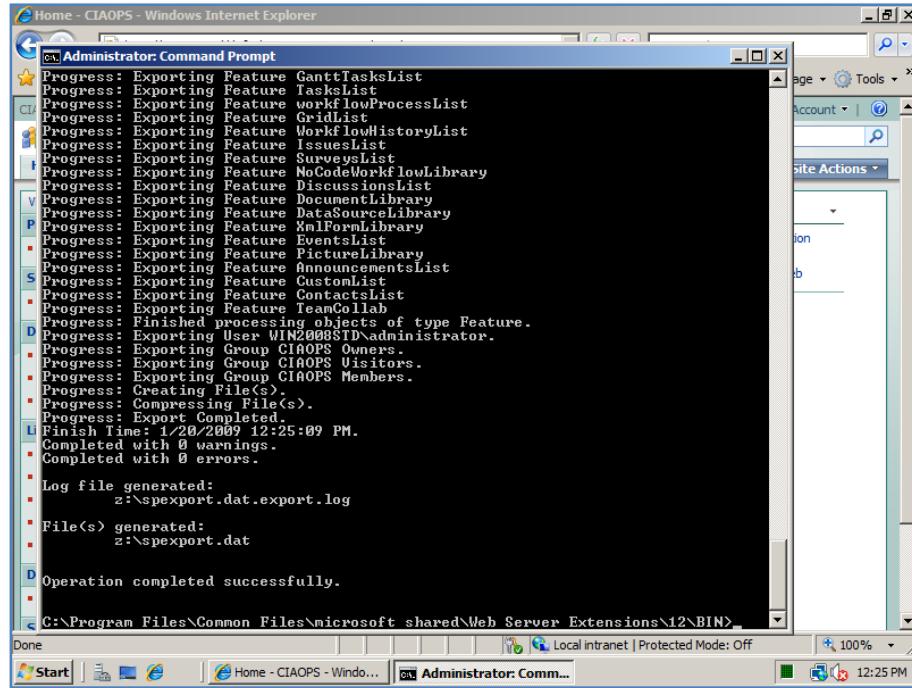


In this example we will be exporting from a WSS v3 site on a stand alone server into Companyweb on a SBS 2008 server in a completely different domain. The exported site will be merged directly into the top level of Companyweb to demonstrate the process and the result. However, it is possible to export the source site to a subsite within Companyweb if desired. Doing this will allow you to retain the top level site as is.

For more information about this process please refer to section **13.8 - Exporting and importing a site**.

The first step in the process is to log onto the source server and ensure that the source WSS v3 site is running correctly.

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Next, log into the source server as an administrator. You will then need to open the command prompt as an administrator via **Start | Run | CMD**. Navigate to the default SharePoint binary directory which is usually located at *c:\program files\common files\Microsoft shared\web server extensions\12\bin*.

Once in this directory execute the command:

```
Stsadm -o export -url http://<source_site> -filename <drive>:\<directory>\<file> -overwrite
```

In this case

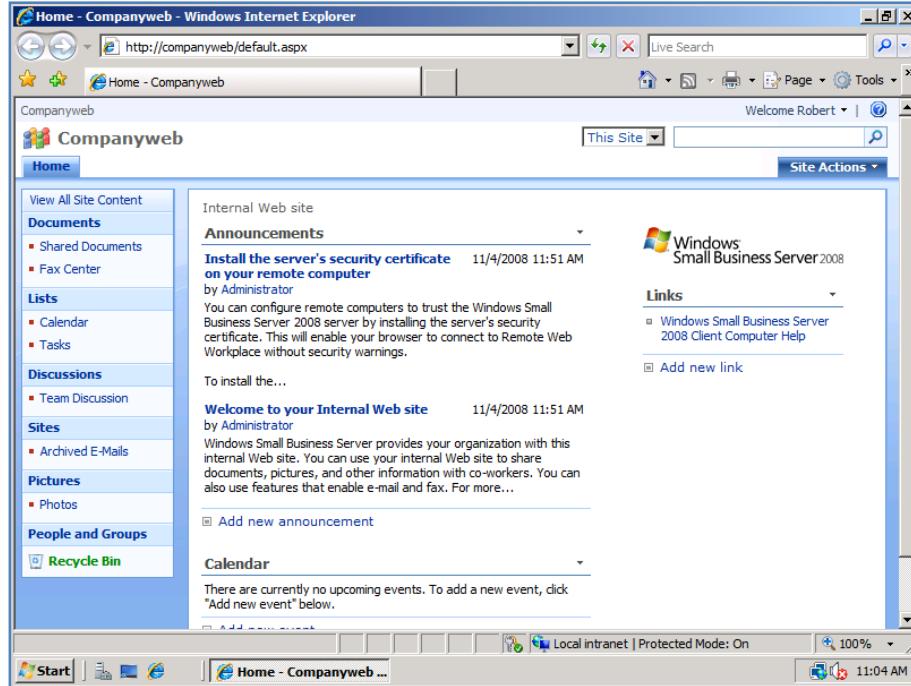
```
Stsadm -o export -url http://win2008std -filename z:\spexport.dat -overwrite
```

The **-overwrite** option simply overwrites any existing destination data file with the contents of this command.

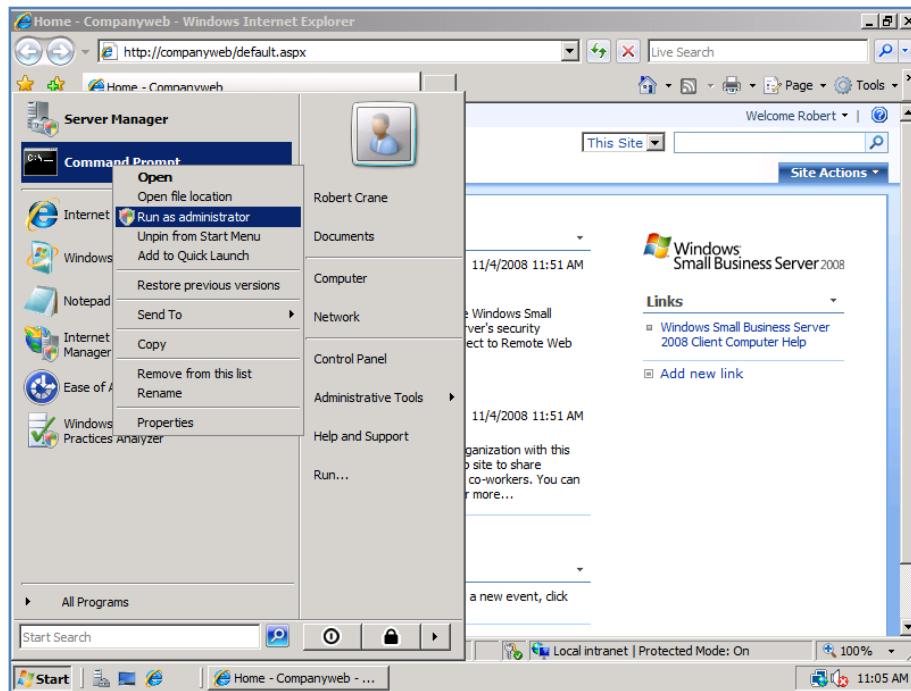
When this command is run you should see a scrolling display of the export operations as shown above. At the end of the process you should see a message confirming that the operation was successful. You will also note that a log file of the process was created to allow troubleshooting if required.

You now need to copy this exported data file to the destination server so it can imported to the destination WSS v3 site.

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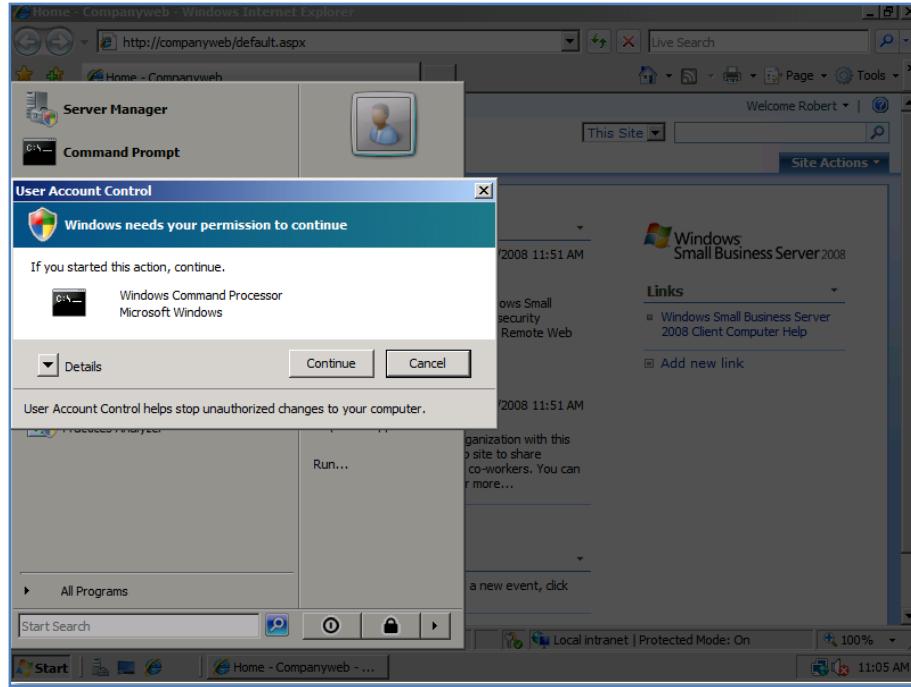


On the destination server, in this case SBS 2008, ensure that the destination WSS v3 site is operational. It recommended that you perform a backup of your existing site as precaution. See section **13.6 - WSS v3 command line backup** for more information on this backup process.



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You will need to run the Command Prompt as an administrator. Select **Start** and because SBS 2008 runs on Windows Server 2008 you normally need to **right mouse click** on the *Command Prompt* icon and select **Run as administrator** from the menu that appears.



At the *User Account Control* window that appears select **Continue**.

A screenshot of a Windows Command Prompt window titled 'Administrator: Command Prompt'. The window displays a log of feature imports: 'Progress: Importing Feature WorkflowHistoryList', 'Progress: Importing Feature WebPageLibrary', etc. The log concludes with 'Import Completed.', 'Finish line: 1/20/2009 12:36:11 PM.', 'Completed with 0 warnings.', and 'Completed with 0 errors.'. The command prompt prompt is 'C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN>'. The taskbar at the bottom shows the command prompt is running in Protected Mode: On, and the system time is 2:26 PM.

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Navigate to the WSS v3 binaries directory. This is normally located at *c:\program files\common files\Microsoft shared\web server extensions\12\bin*.

Run the command:

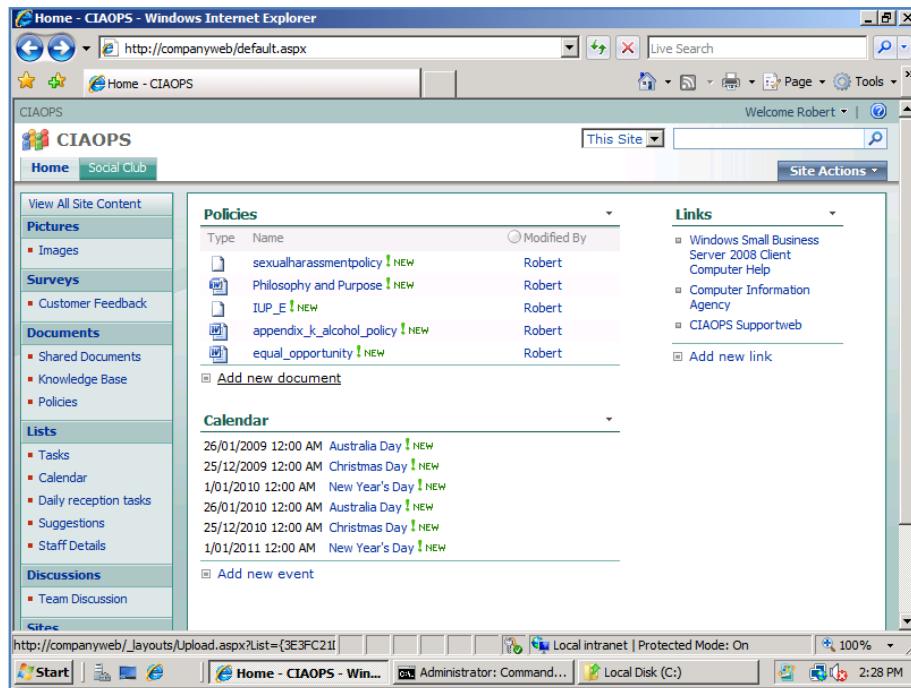
```
Stsadm -o import -url http://<destination> -filename <drive>:\<directory>\<datafile>
```

In this case

```
Stsadm -o import -url http://companyweb -filename c:\spexport.dat
```

Again, you should see the progress of the import scrolling on the screen. When complete you should receive a message indicating that process completed successfully.

Also note that a log file of process is also created to allow you to troubleshoot if required.



If you now view your destination WSS v3 site it should appear like the source. You may not be able to see some of the destination WSS v3 features because the navigation of the source site has overwritten their links. You can check that these original resources are still present by selecting the **View All Site Content** in the top of the *Quick Launch menu* on the left of the screen.

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The screenshot shows the 'All Site Content' page in a Windows Internet Explorer window. The URL is http://companyweb/_layouts/viewlsts.aspx. The page title is 'CIAOPS > All Site Content'. On the left, there's a navigation menu with sections like Pictures, Surveys, Documents, Lists, and Discussions. The main content area shows a table of document libraries, including 'Fax Center', 'Knowledge Base', 'Policies', and 'Shared Documents'. Below that is a section for 'Picture Libraries' with 'Images' and 'Pictures'. At the bottom, there's a 'Lists' section with 'Announcements'. A 'Create' button is at the top left of the content area.

In this case you can see that the *Fax Center* document library, which is standard component of WSS v3 on SBS 2008, is still present on the site. All that is required is simply to link these resources back to the navigation on the front page.

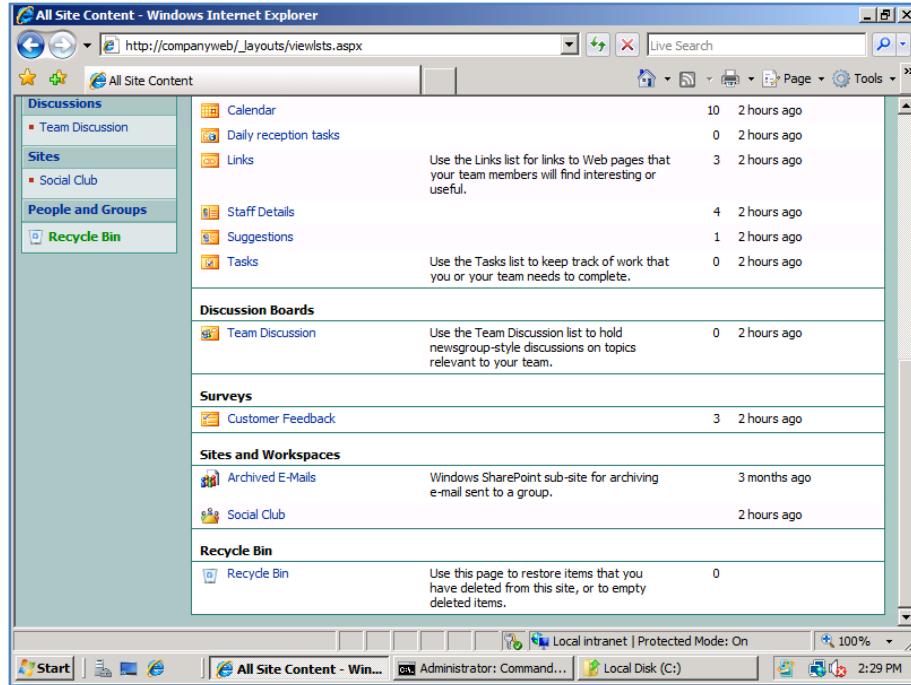
In the case of the *Fax Center* simply click **Fax Center** to configure its navigation.

The screenshot shows the 'Document Library General Settings' page for the 'Fax Center' library. The URL is http://companyweb/_layouts/ListGeneralSettings.aspx?List=%7BDAAFA973B%20. The page title is 'CIAOPS > Fax Center > Settings > General Settings'. It has two main sections: 'Name and Description' and 'Navigation'. In 'Name and Description', the 'Name' field is 'Fax Center' and the 'Description' field contains 'Document library for managing and sending faxes'. In 'Navigation', there's a checkbox 'Display this document library on the Quick Launch?' with the 'Yes' option selected. At the bottom are 'Save' and 'Cancel' buttons.

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In the *Navigation* section select **Yes** to allow *Fax Center* to appear on the *Quick Launch* menu.

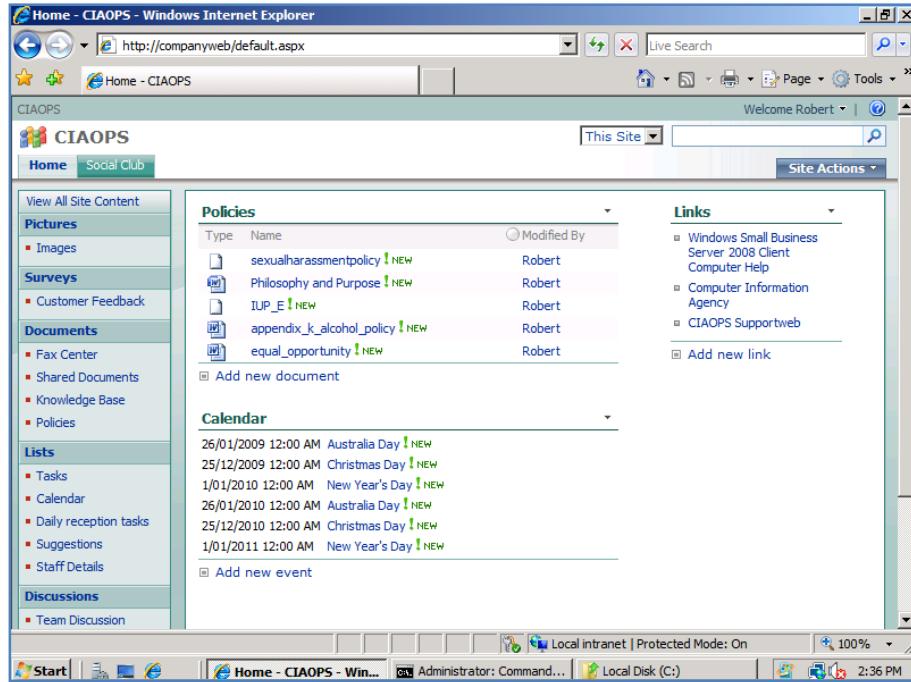
Press **OK** when complete.



Other items from the original destination site may appear further down the list. In the case with SBS 2008 you'll find the *Archived E-Mails* subsite under the *Sites and Workspaces* section.

You may need to select these features and re-establish their settings, inheritance and navigation.

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In summary, it is possible to use the stsadm export/import to merge two WSS v3 sites. This will generally preserve the resources from the destination site but the look and feel as well as the navigation from the source site will over write the destination site. This means you may have to recreate links to components from the source site as shown previously.

The other issue around stsadm export/import is that both sites generally need to be some the same versions of WSS v3 (i.e. same level of patching) as well as having the same site add-ons in the destination as the source or the stsadm export/import will fail.

7.8 Conclusion

There are number of ways to upgrade and migrate WSS v3. All have various advantages and disadvantages which needed to be carefully considered for each individual case. However, the positive thing is these various methods do provide a good deal of flexibility of getting SharePoint data from one installation to another.

This guide continues to be a work in progress and I encourage comments and feedback of any type. The only way that the Guide will improve if these is continued feedback.

Please send your comments and feedback to director@ciaops.com.