

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Index

4.1 Scope

4.2 Prerequisites

4.3 Installation

4.4 Follow through of Microsoft install method on SBS 2008

4.5 Conclusion

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

4.1 Scope

This chapter will examine the process of installing Windows SharePoint Foundation 2010 (WSF) onto a Windows Small Business Server 2008 (SBS). If you are planning to install WSF onto a Windows Server 2008 then see – **Chapter 3 – Installing Windows SharePoint Foundation 2010 Beta onto Windows Server 2008**.

For information about upgrading and migrating from an existing version of Windows SharePoint Services see – **Chapter 7 – Migration and Upgrading**.

Please note the methods provided here are not supported or recommended by Microsoft in any way. The full impact of completing these has not been fully tested with the SBS 2008 and may result in unforeseen issues. You should consider very closely whether this installation is suitable for your production servers.

4.2 Prerequisites

There are a number of requirements on any system onto which you plan to install Windows SharePoint Foundation 2010 (WSF). These minimum requirements are:

- Windows Small Business Server 2008 with Service Pack 2
- Dot Net Framework Version 3.5
- Internet Information Services (IIS) configured with ASP .NET

Data storage location

WSF has the ability to store data in a number of locations, including Microsoft SQL Server 2008 Express Edition that comes with WSF. The planned location of your WSF data will have an impact on the installation method you are able to choose. For further information about these options and impacts please see – **Chapter 8 - Database Operations**.

Once these requirements have been met it is also advisable to ensure that the machine on which you wish to install WSF is updated with all the latest patches and service packs. It is also advisable to do a reboot of the system prior to a WSF installation to ensure a clean run up environment.

More information about WSF prerequisites can be found in **Chapter 14 - Prerequisites**

4.3 Installation

Installation

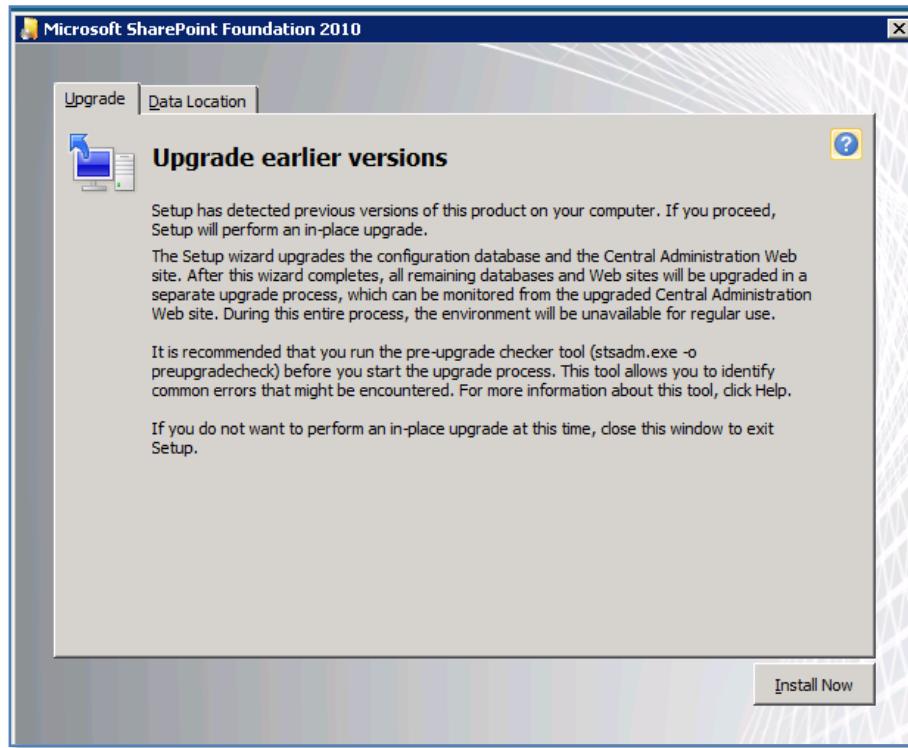
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The first requirement for a successful install of WSF onto SBS 2008 is that the existing version of WSS v3 be uninstalled. More information about doing this is contained in **Section 13.28 – Uninstall SharePoint from SBS 2008**.

The process of migrating any existing WSS v3 data on SBS 2008 to WSF on SBS 2008 will be covered in future updates to the guide.

Default install will attempt an upgrade and fail

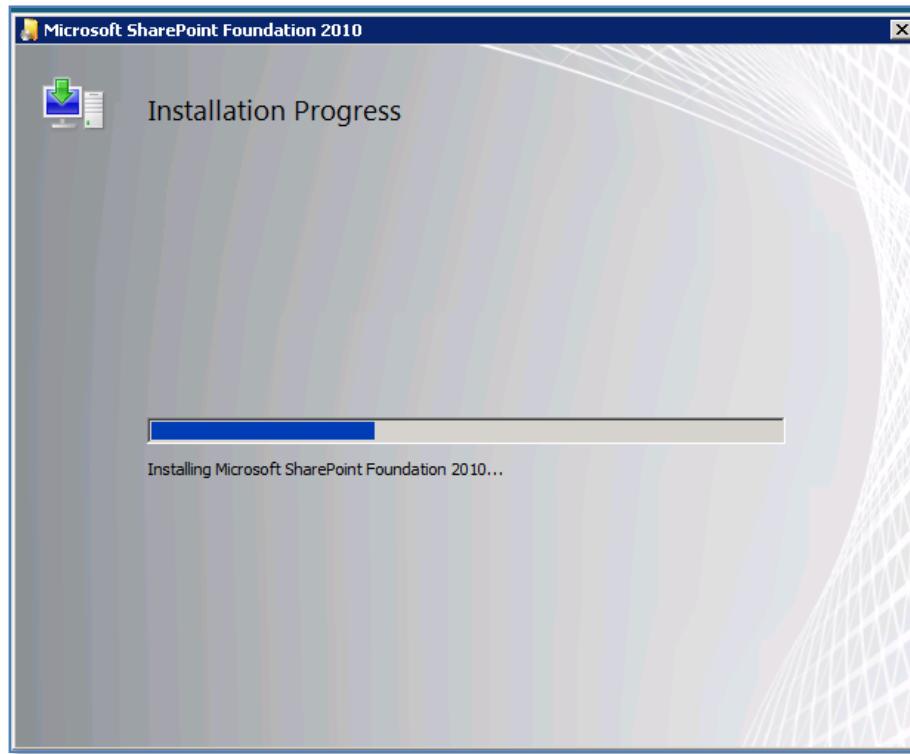
If you attempt to install WSF onto SBS 2008 without firstly uninstalling WSS v3 you will only be given the option to upgrade the existing WSS v3 site. You will see a screen like:



The installation program automatically detects that there is a previous version of SharePoint installed and offers only the option to upgrade this version.

Press the **Install Now** button to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



The installation will now copy the required files onto the server. There is no option to cancel or abort the installation until the process is complete. You will not be prompted for further input until the installation progress bar has reached the far right hand side.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



The installation process will cease and display the above screen indicating that an error has been received.

Installing once WSS v3 has been removed from SBS 2008

After meeting all the server prerequisites and downloading the WSF software from the Microsoft web site and logging into the Windows Server 2008 as an administrator you will need to install WSF supported database on the server. Currently these databases are Windows SQL Server 2008 64 bit and SQL Server 2008 R2 64 bit. It is possible to install the Express version of either of these, however keep in mind that Windows SQL Server 2008 Express has a limit of 4GB for a single database while Windows SQL Server 2008 Express R2 has a limit of 10GB for a single database.

If you wish to install a free SQL 2008 Express version on your server it is recommended that you use Windows SQL Server 2008 Express R2 which can be downloaded from:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=967225eb-207b-4950-91df-ebe5f35a80ee&displaylang=en> – SQL Server 2008 R2 RTM – Express with Management Tools

which also includes the SQL Management console that can still be utilized with previous versions of SQL that remain on the SBS 2008 server.

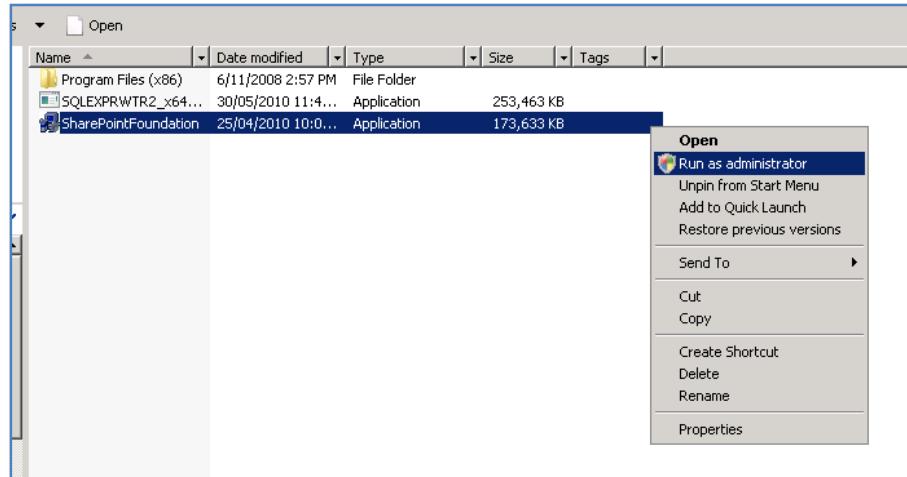
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Also prior to any installation of SQL Server 2008 you will need to uninstall the SQL 2005 Management tools that come as a standard part of SBS 2008. You can do this by using the Programs icon from the Control Panel.

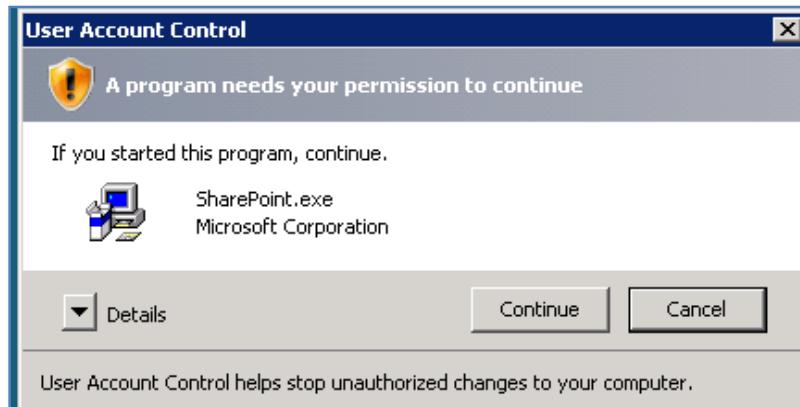
There are also a number of software prerequisites that need to be installed prior to install SharePoint Foundation 2010 on SBS 2008 and it may be appropriate to complete these prior to commencing the WSF installation since some require a server reboot.

There are two methods of installing the prerequisites, one via the initial splash screen (which fails to install all components) and the other via extracting the running the file prerequisiteInstaller.exe from the SharePointFoundation.exe download.

Splash screen installation of prerequisites.



Locate the WSF application (called SharePointFoundation.exe) and **right mouse click** on the file. Select the option **Run as Administrator** from the menu that appears.



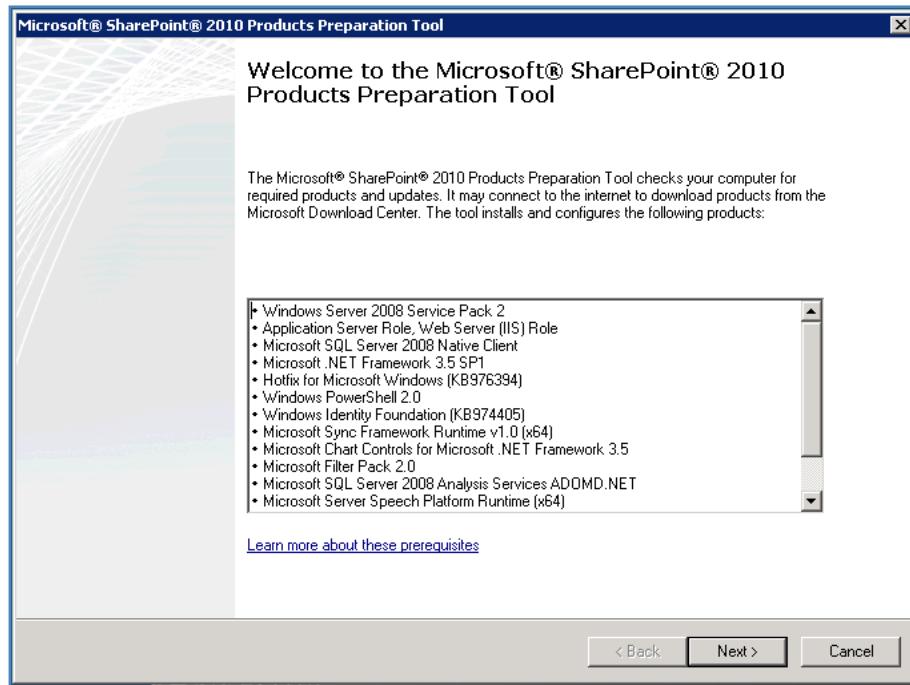
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You will now receive the *User Account Control* prompt. Press the **Continue** button to proceed.

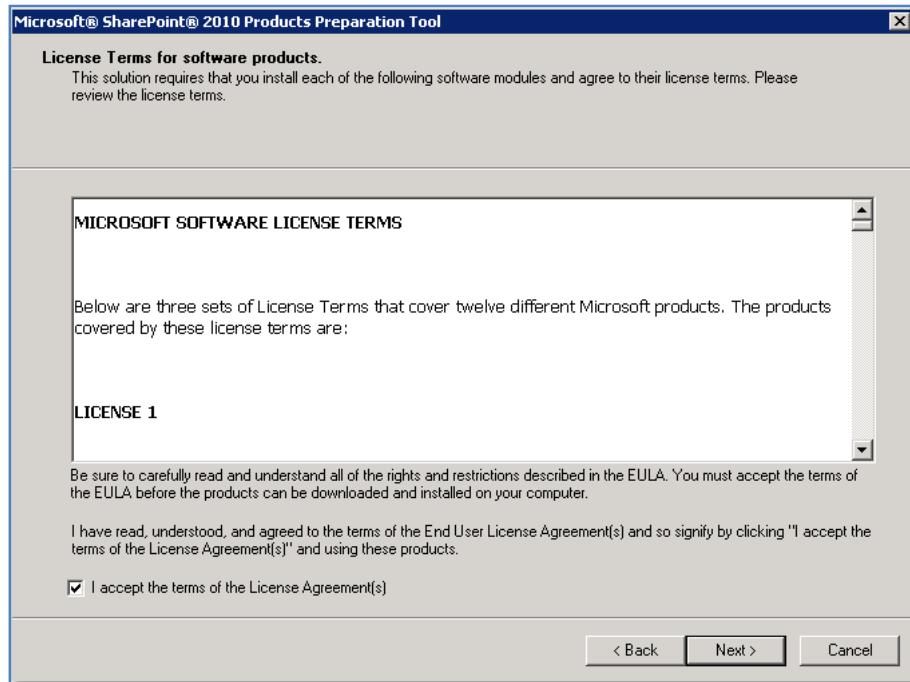


You will now see the WSF splash screen. Select the option under the *Install* heading **Install software prerequisites** to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

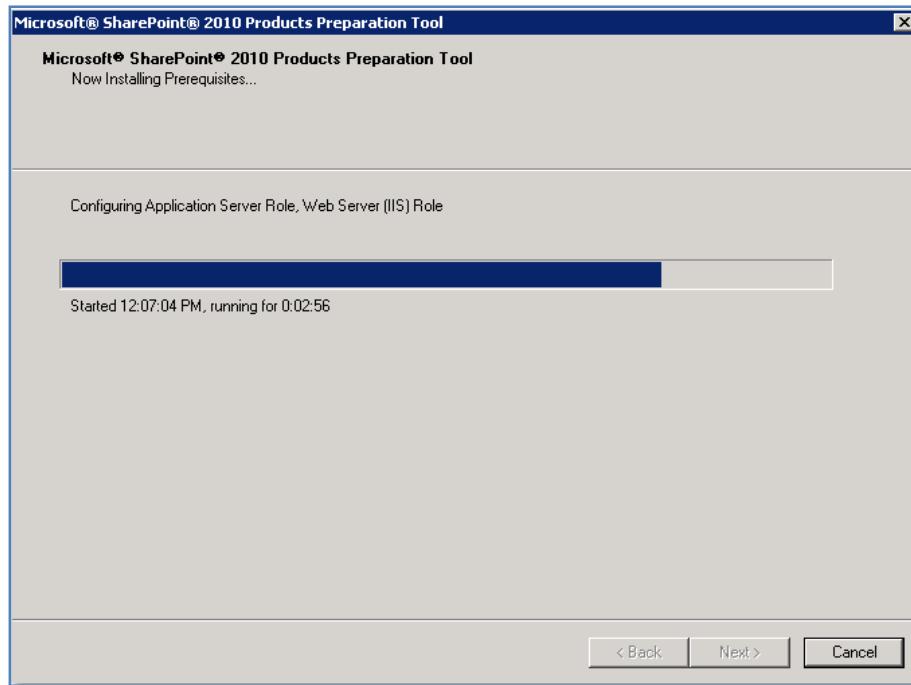


You will see the following *Preparation Tool* screen. Press the **Next** button to continue.

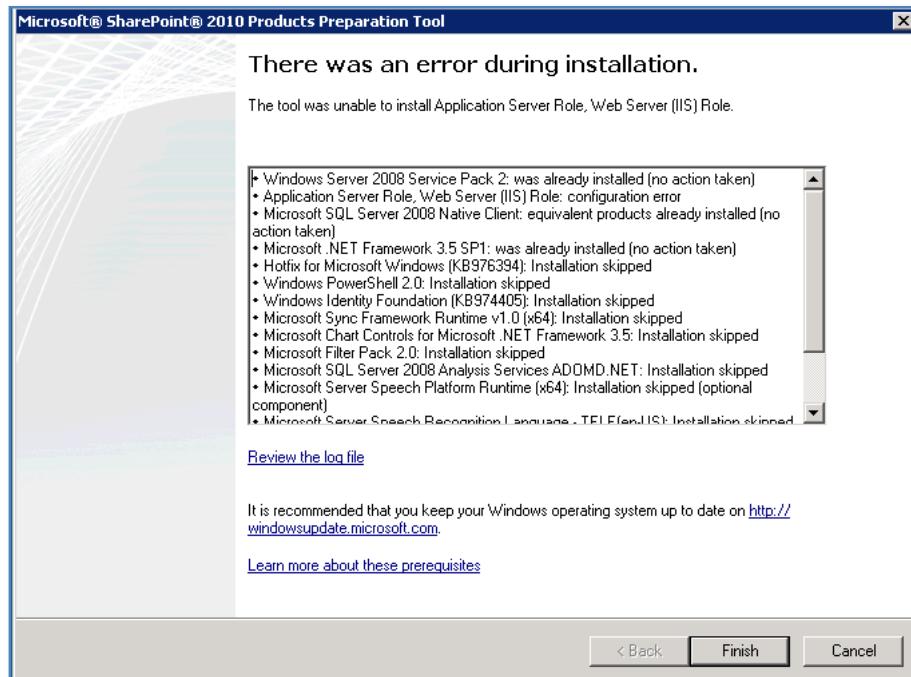


Select the check box *I accept the terms of License Agreement(s)* and press the **Next** button to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



You should now see a progress bar move across the screen as the preparation tool runs. This may take several minutes to complete.



When the process is complete you may see the above screen. It is important to note if there are any errors or components that are skipped. For whatever reason many of the

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

required items are not installed by this process as they would be if WSF was installed on a stand alone server. Such components may need to be installed manually prior to WSF being installed.

Press the **Finish** button to proceed.

[Extraction of PrerequisiteInstaller.exe installation of prerequisites.](#)

Download the file sharepointfoundation.exe and save locally.



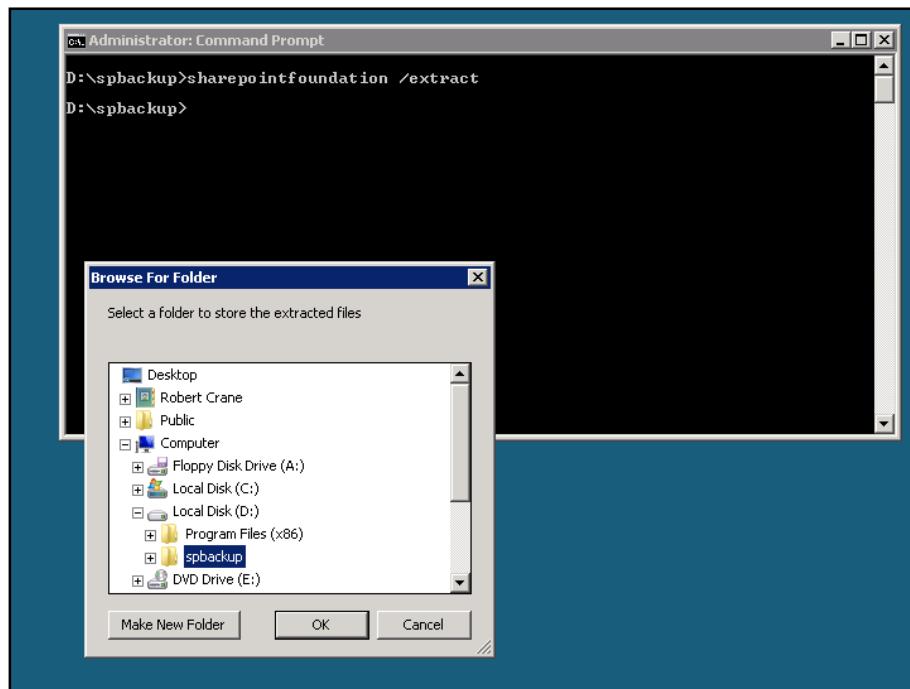
Run an **administrator command** prompt by pressing **Start** then **right mouse clicking** on the *Command Prompt* icon in the *Start* menu and selecting **Run as Administrator** when the menu appears. Accept the *User Account Control* window that now appears to continue.

With the command prompt open navigate to the location where you save the file sharepointfoundation.exe. In that same directory type:

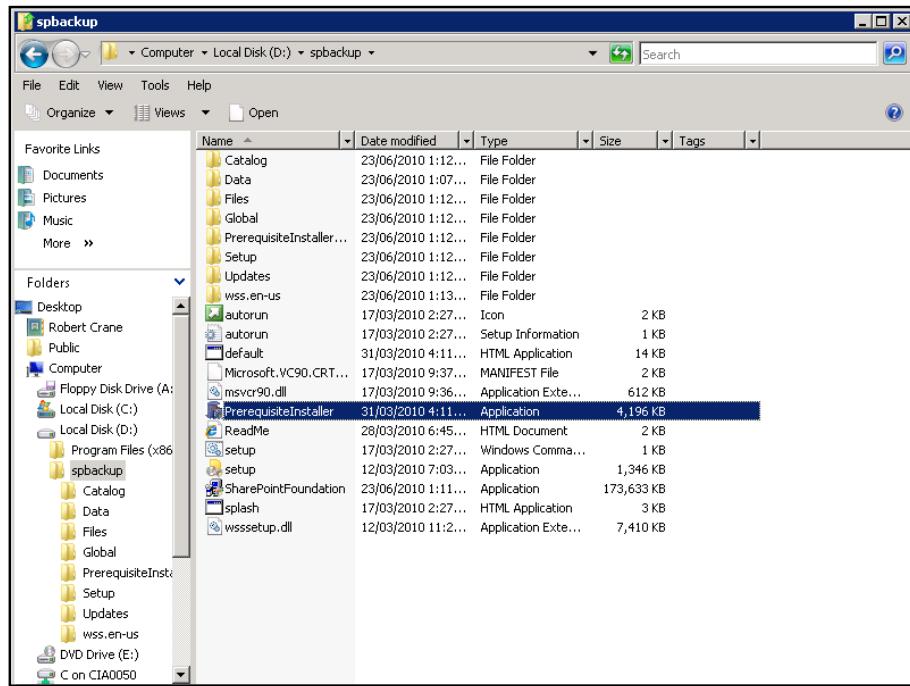
Sharepointfoundation /extract

And press **Enter**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

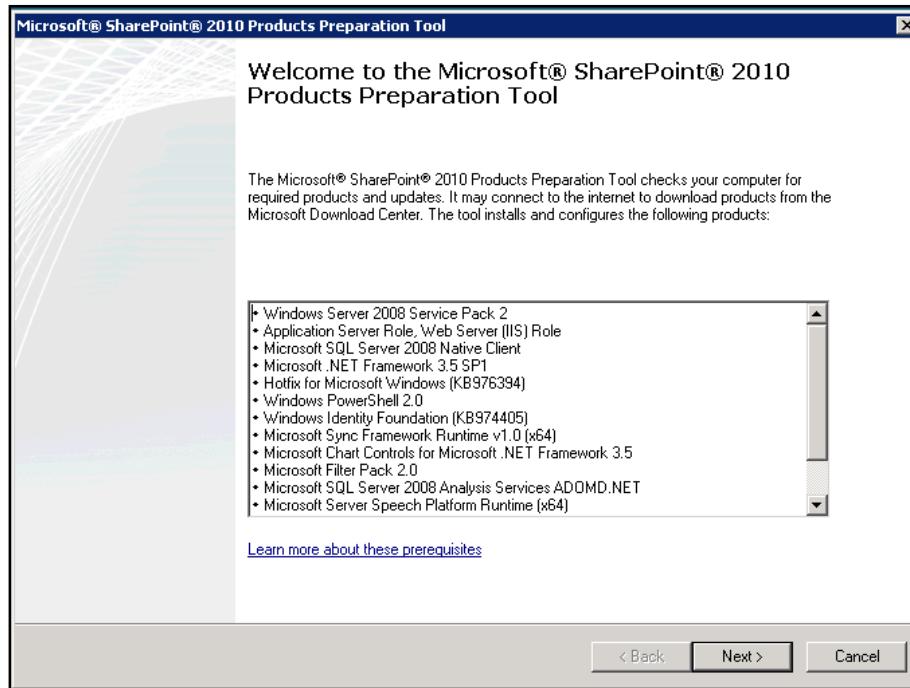


You will then be prompted for a location in which to extract the files. Navigate to suitable location and press **OK** to proceed.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Once all the files have been extract navigate to that directory and locate the file PrerequisiteInstaller.exe and double click on it to run. Accept the *User Account Control* window when it appears by clicking on the **Continue** button.

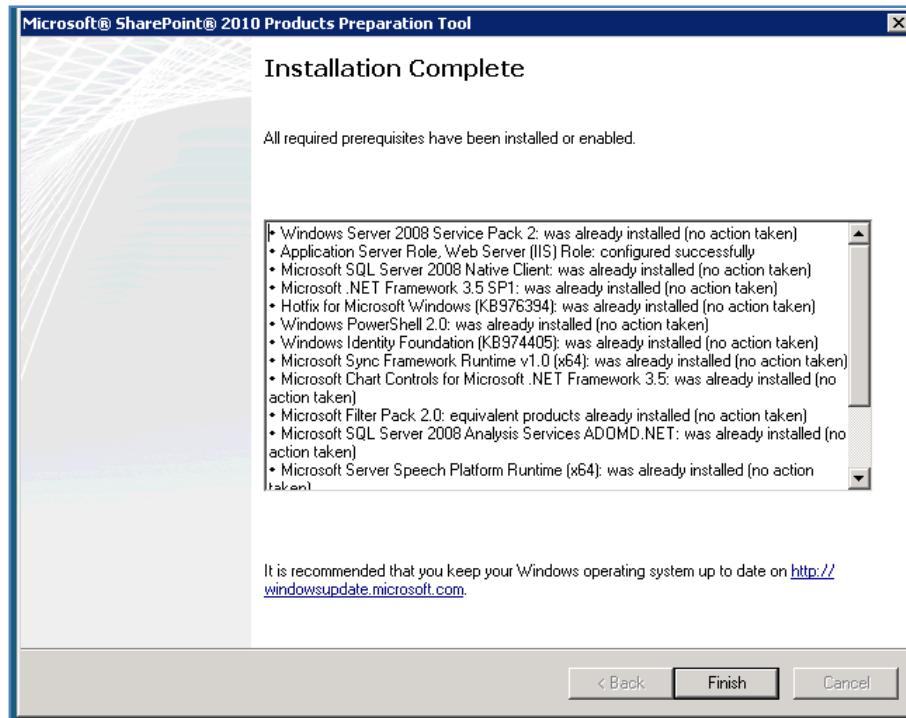


Press the **Next** button to commence the installation of the software.

If the software is not installed on the server it will automatically be downloaded and installed (unlike the same operation via the splash screen).

When the process is complete the server will need to be rebooted before proceeding. When the reboot is complete the installation process will continue until you see a screen like:

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



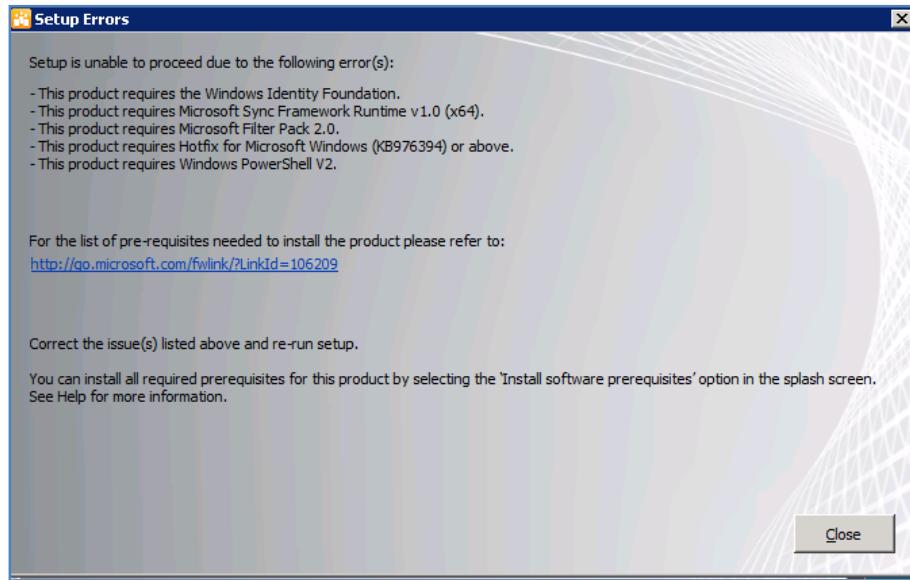
This now indicates the prerequisites have been installed and you can proceed to the installation of WSF.

Installing SharePoint Foundation



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You should now be returned to the WSF splash screen. Select the option **Install SharePoint Foundation** from the *Install* section of the screen.



More than likely you will be confronted with the above screen listing a number of prerequisites that have not been installed. You will need to install these manually. The details of where to download these items can be found at:

<http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=eb9c345f-e830-40b8-a5fe-ae7a864c4d76> – Windows Identity Foundation 6.0

<http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=c88ba2d1-cef3-4149-b301-9b056e7fb1e6#filelist> – Microsoft Sync Framework

<http://code.msdn.microsoft.com/KB976394/Release/ProjectReleases.aspx?ReleaseId=3572> – KB976394

After the application of KB976294 a reboot will be requested. This can be delayed, however it is required prior to recommencing the WSF installation

<http://www.microsoft.com/downloads/details.aspx?FamilyId=d37e25cf-db05-4b23-a852-cdf865d81b82&displaylang=en> – Power Shell V2

After the application of Power Shell V2 another reboot is required. This can be delayed, however it is required prior to recommencing the WSF installation.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The Microsoft Filter Pack V2.0 can be obtained by extracting the SharePointFoundation.exe file at the command prompt via:

Sharepointfoundation.exe /extract

Once the installation file has been extracted you will find the Filter Pack installation file in the directory \PrerequisiteInstallerFiles\FilterPack.

Once again a reboot will be required after the installation of the Filter Pack. If all the previous updates have been installed you can now simply complete a single reboot.

As this is probably the first reboot of the server that has been performed after also installing a supported version of SQL Server it is recommended that you limit the memory usage of the new SQL Server.

Once the server has rebooted recommence the installation of WSF as detailed before.

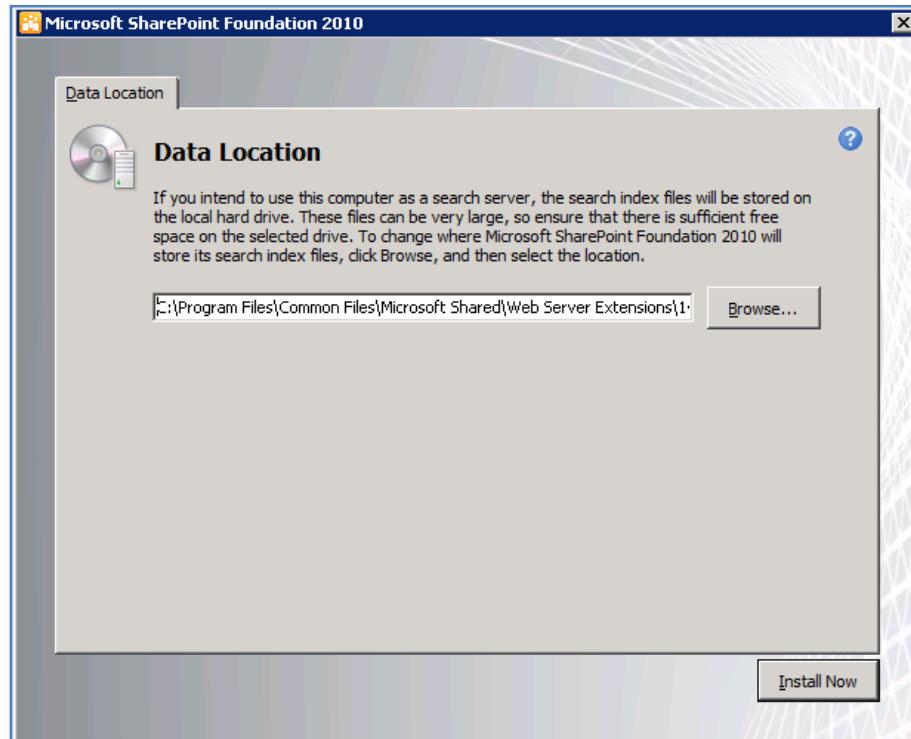


At the splash screen select **Install SharePoint Foundation** from the *Install* section.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



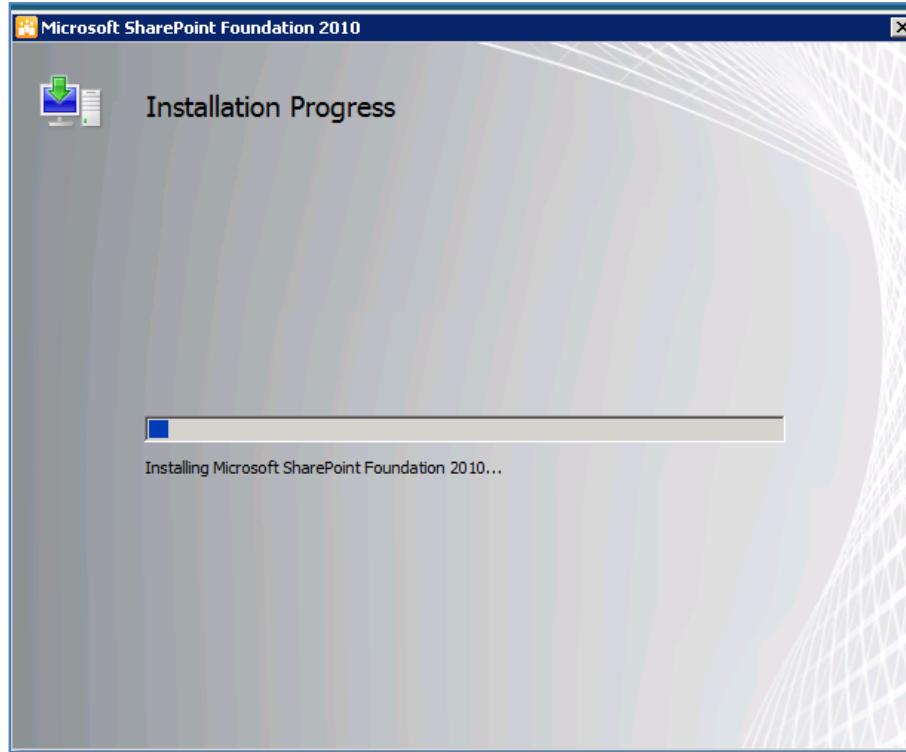
At the License screen select **I accept the terms of this agreement** and press the **Continue** button.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

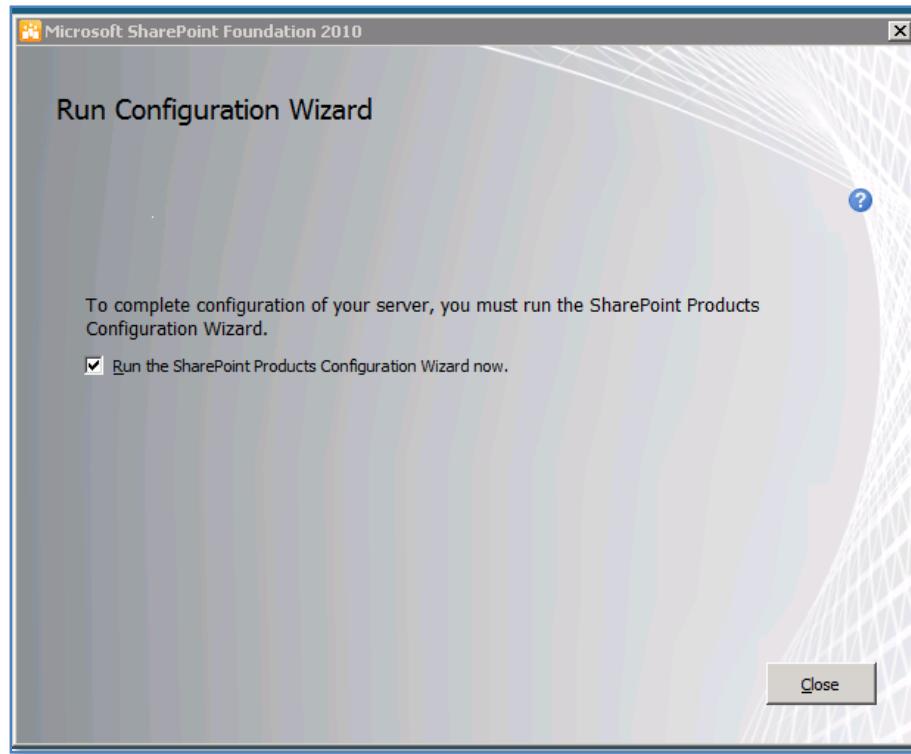
Select the data location. As WSF will include search functionality it is recommended that you place the data location on a drive other than the boot drive (which is typically C: drive).

Make any changes to the desired location and press the **Install Now** button.



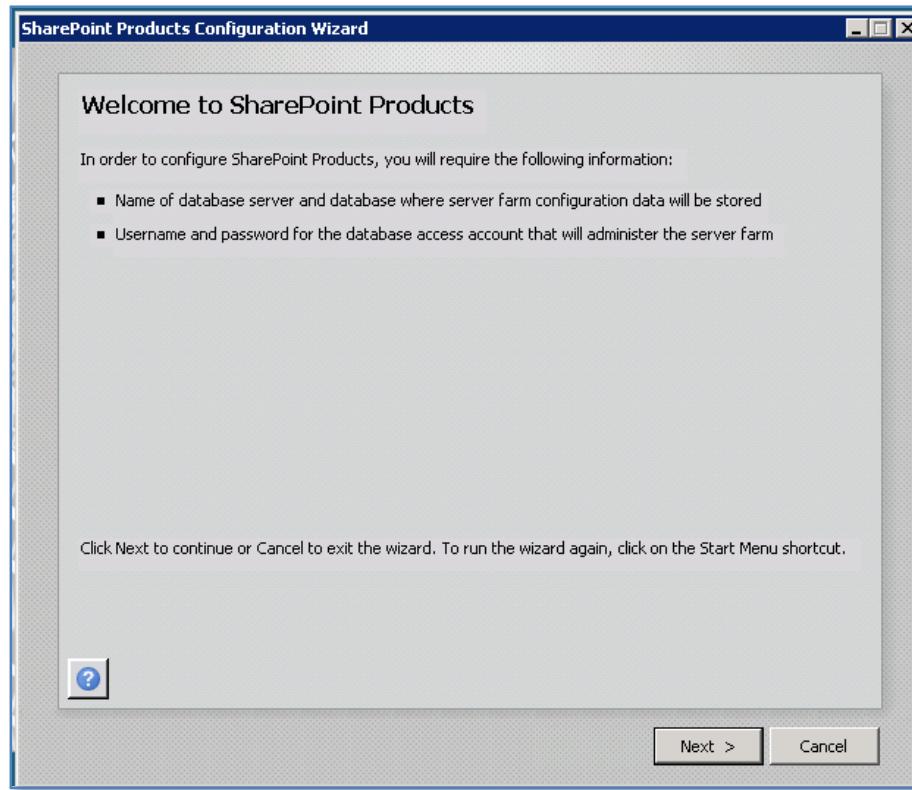
WSF will now commence installing files as indicated by the progress bar across the screen. Note that there is no way to cancel this process which may take several minutes to complete.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



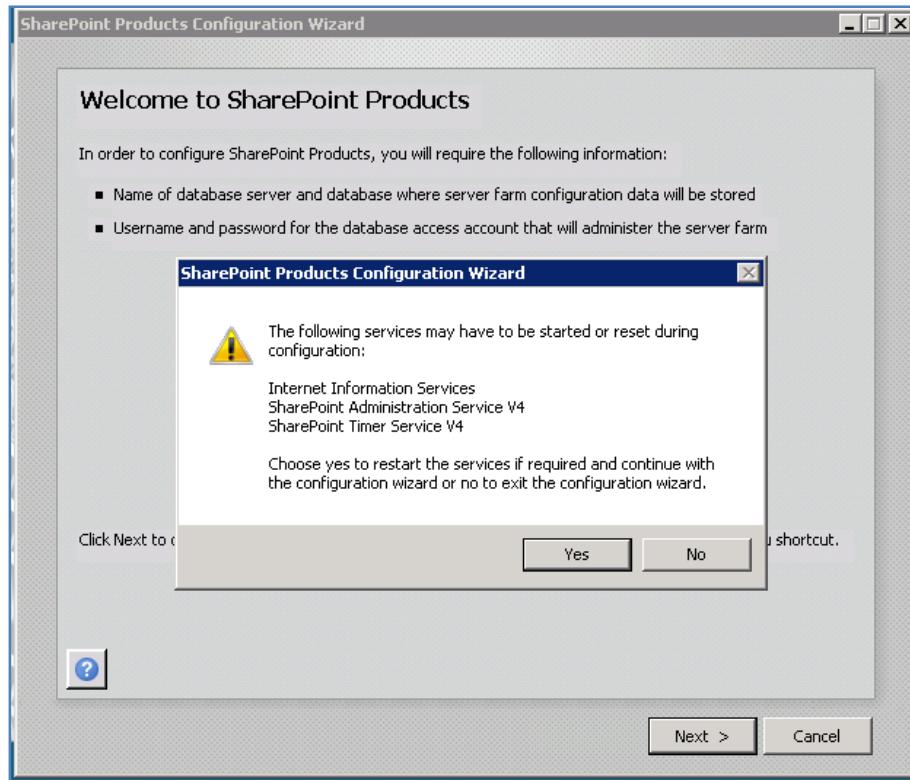
When the process is complete it is recommended that you leave the option *Run the SharePoint Products Configuration Wizard now* checked and press the **Close** button to proceed.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



The WSF configuration wizard should now launch. Press the **Next** button to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

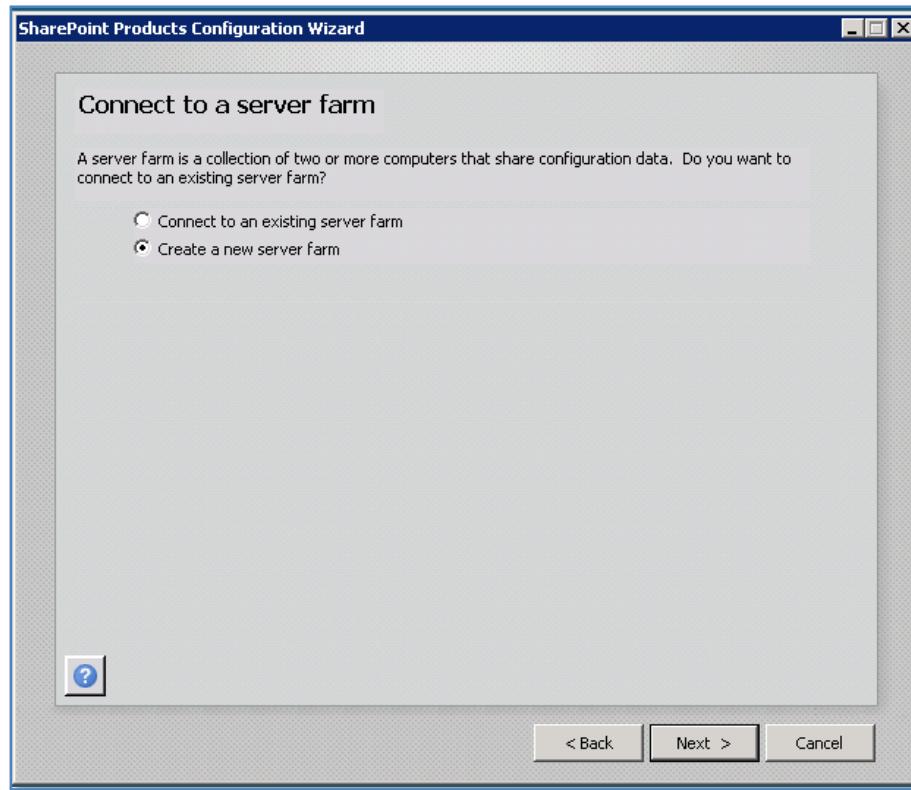


You will be warned that a number of shared server services will be started or reset during this process. These services may affect other applications currently being used. These services are:

Internet Information Services
SharePoint Administration Service V4
SharePoint Timer Service V4

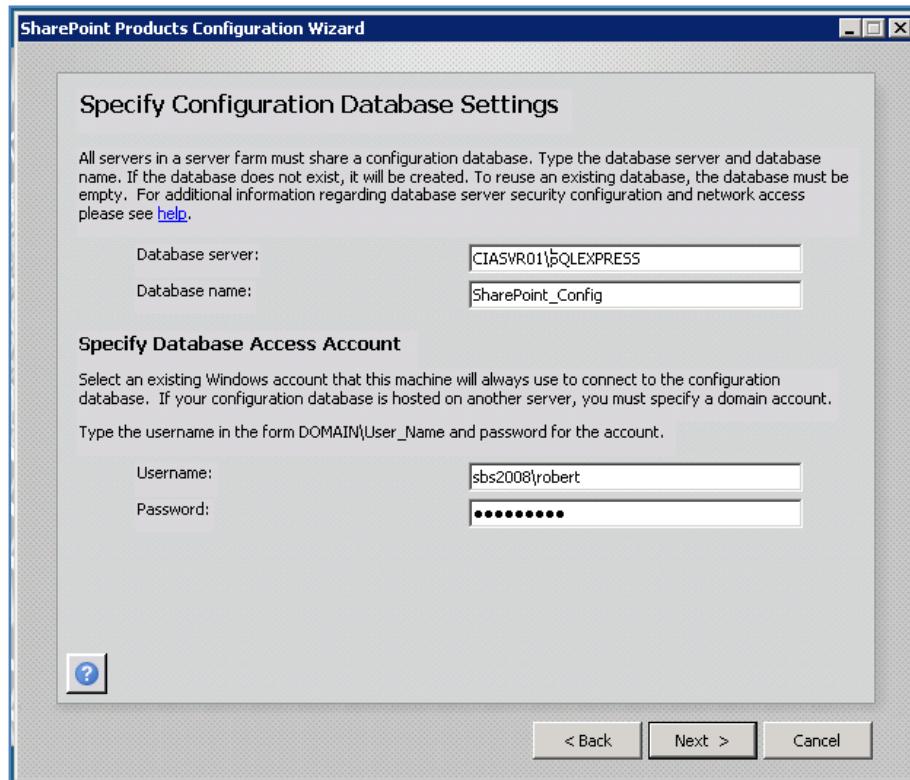
When you are ready to proceed with the configuration press the **Yes** button.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Now select the option to *Create a new server farm* and press the **Next** button to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Because this installation process is using a custom method you now need to specify the connection to a supported SQL Server. If you have not already installed a support version you will not be able to proceed further until you have.

You may need to enter the Database Server name in the format of:

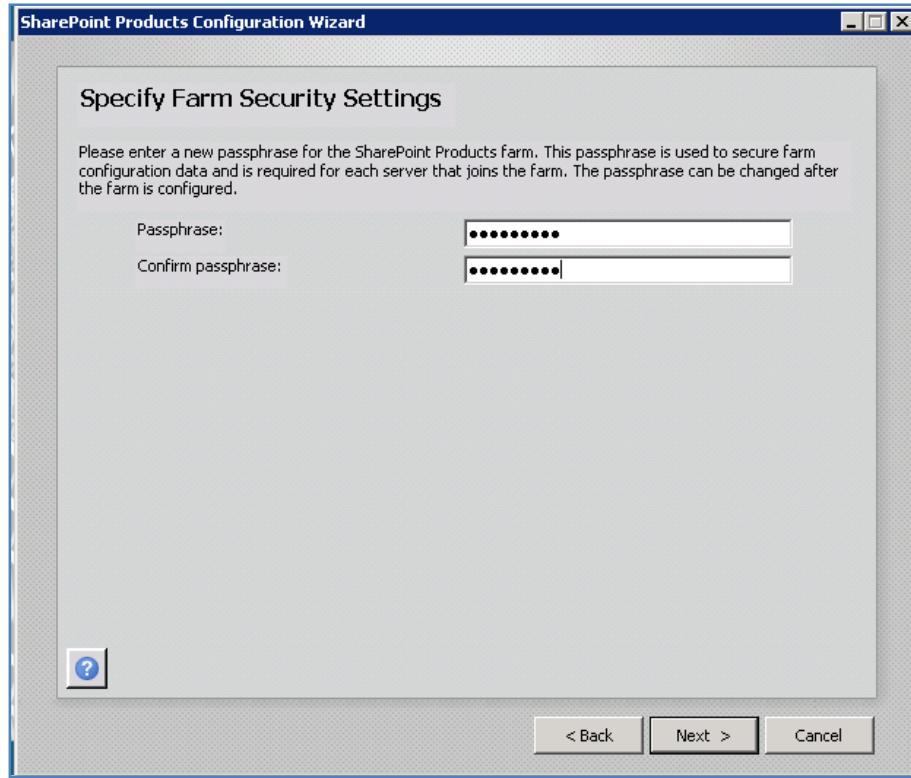
<SERVER_NAME>\<SQL_INSTANCE>

You may also be required to enter the user name in the format of:

<DOMAIN>\<USERNAME>

When you have completed all these details correctly press the **Next** button to continue.

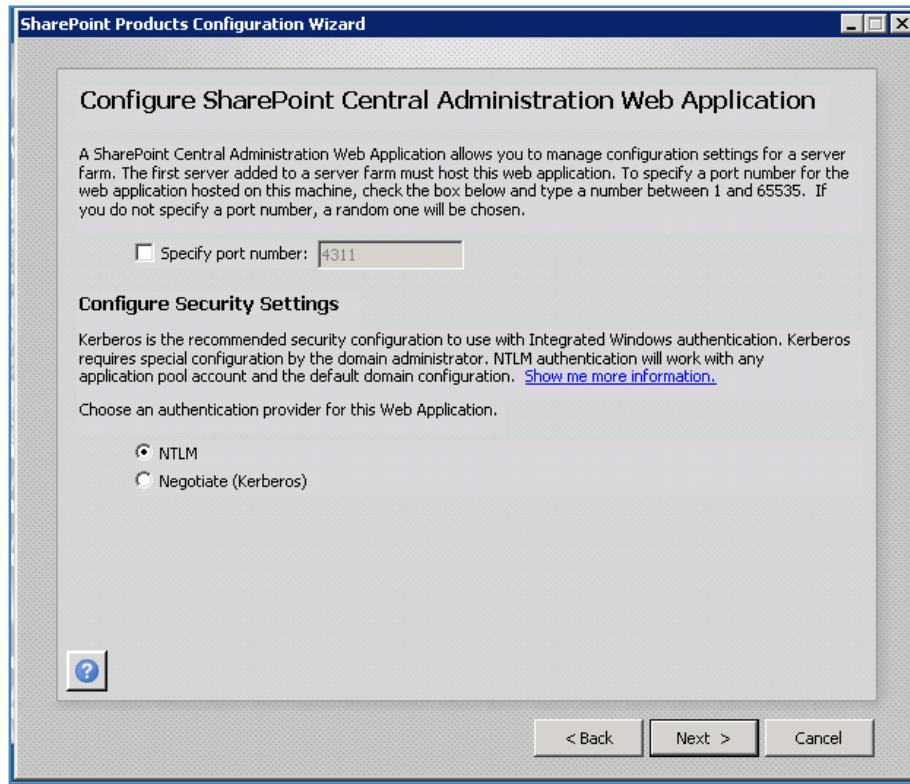
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



You will now be prompted to enter a passphrase for securing data on a SharePoint farm. This passphrase is required if you plan to expand your server beyond a single server in the future so it is important to make note of it for later reference.

When complete press the **Next** button.

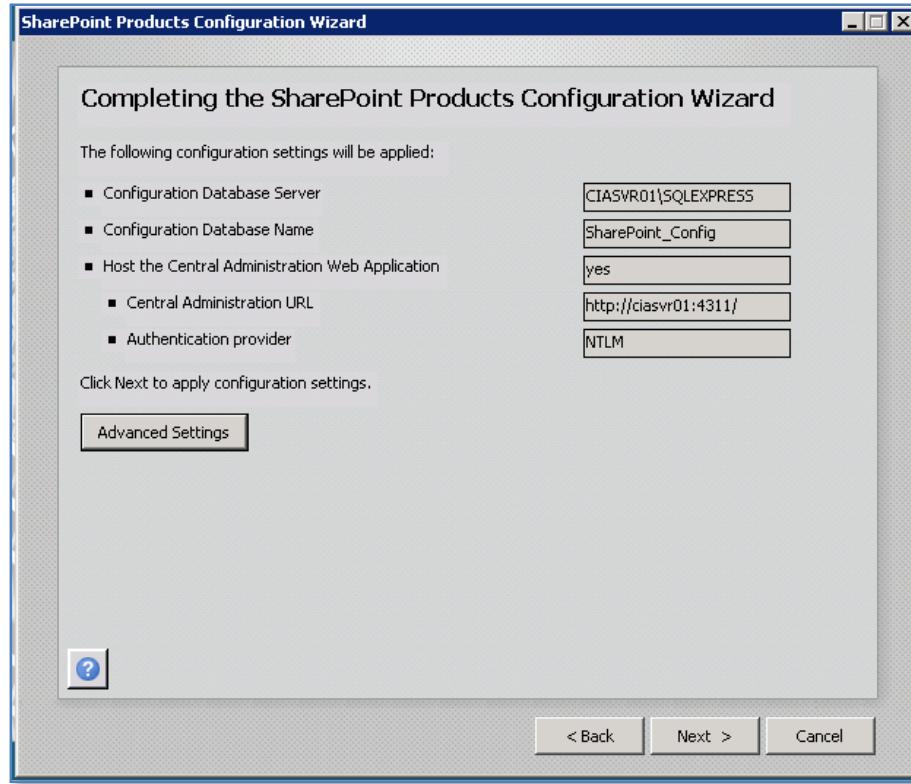
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



You are now able to specify a port for the Administration Web application if desired as well as the authentication method. It is recommended that you don't make any changes to the default options shown above.

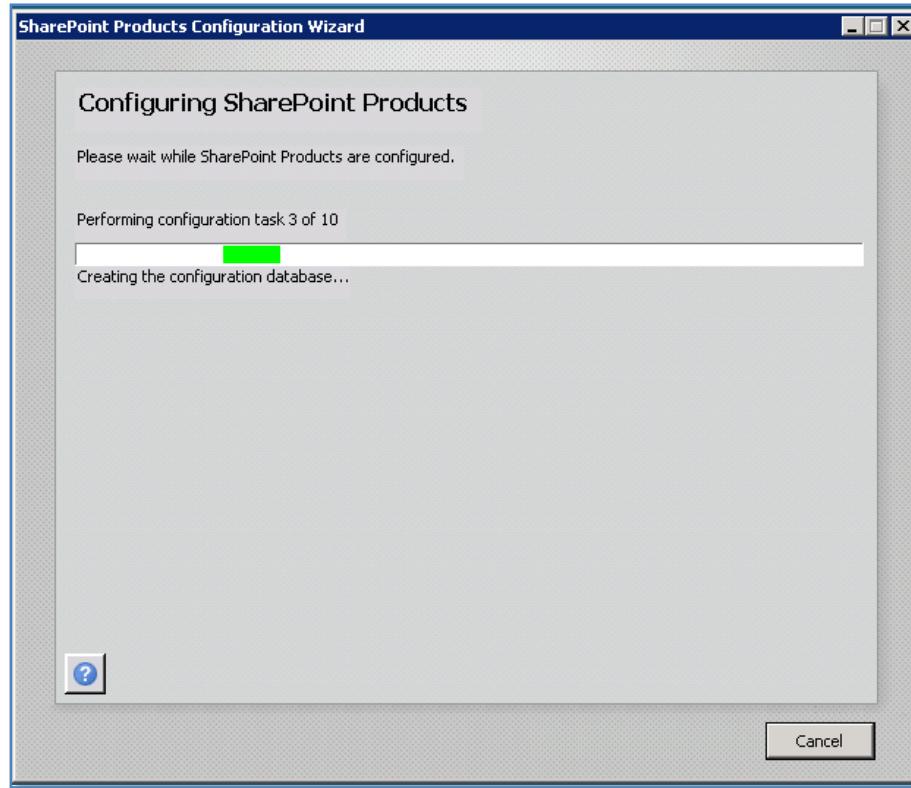
Press the **Next** button to proceed.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



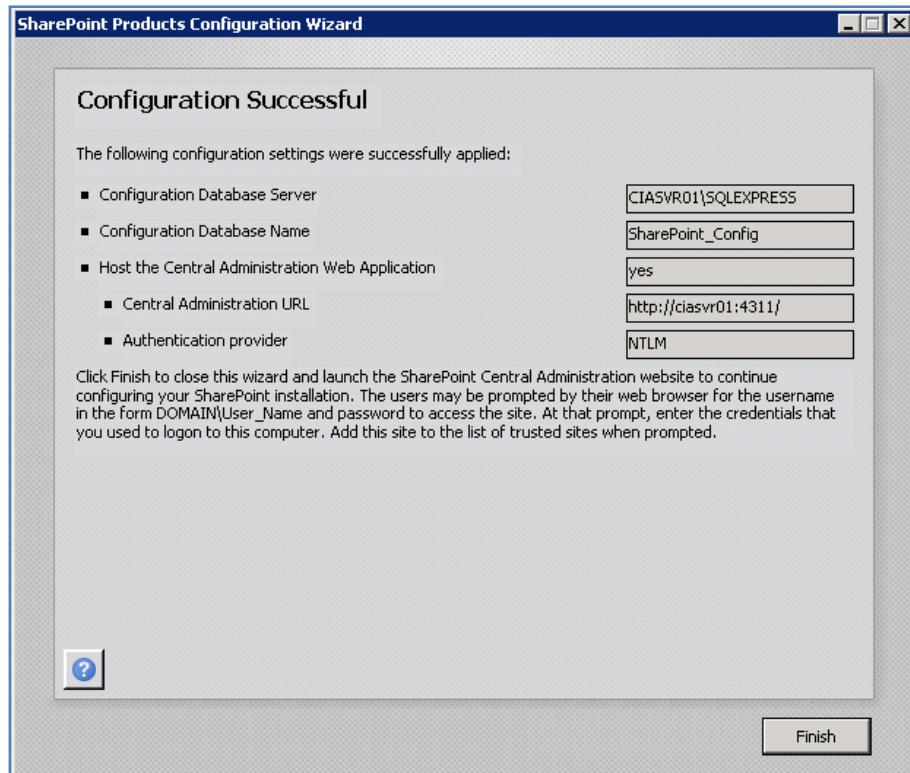
You will now see a summary screen of all the choices you have made. If you are happy with these press the **Next** button to commence the configuration.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



The configuration wizard will now run through about 10 steps. This process may take several minutes to complete depending on the hardware that you have installed. You can press the Cancel button in the bottom right at any time to stop the process.

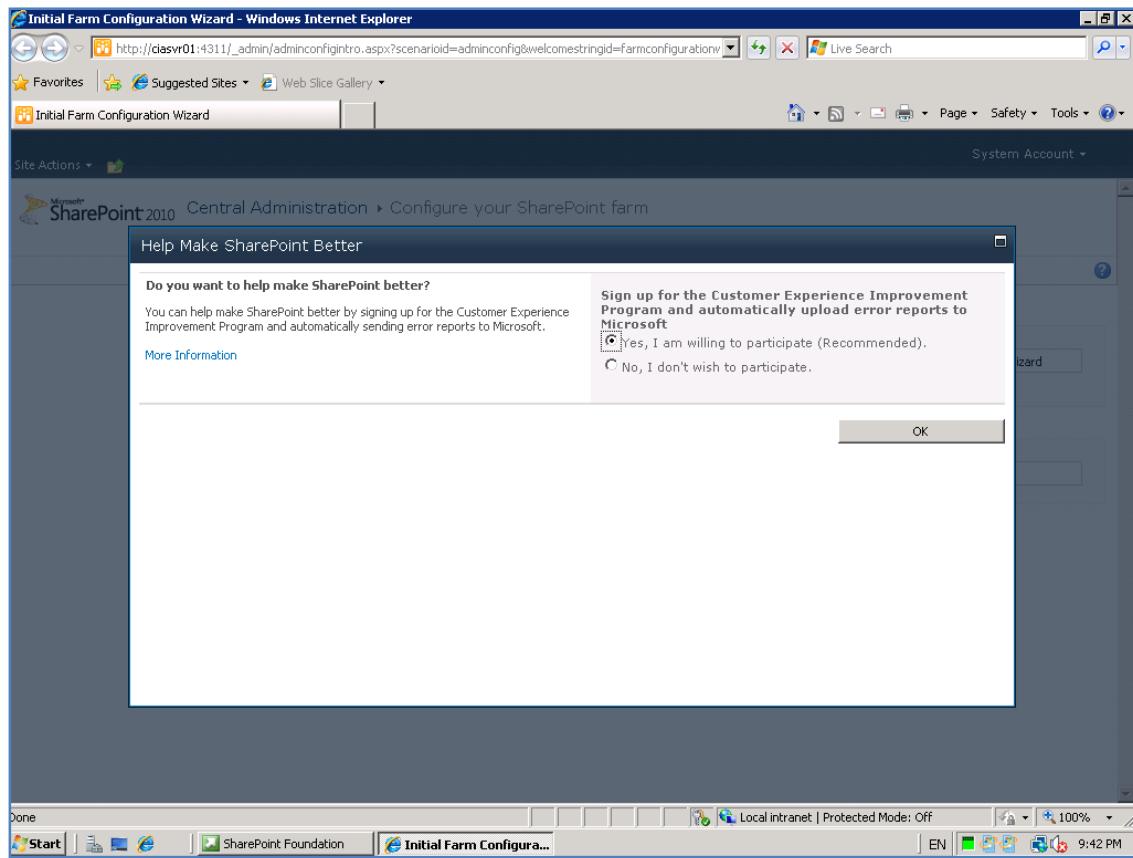
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Once the configuration process has completed you will see a summary screen like that shown above.

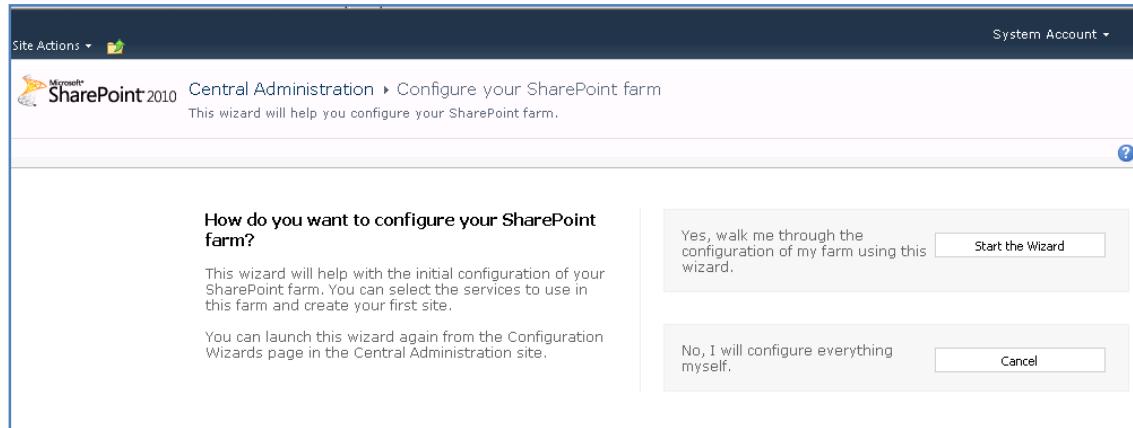
Press the **Finish** button to close this window.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



The WSF SharePoint Central Administration web site should now be automatically launched. When it does you will be prompted to select whether you wish to participate in the SharePoint Customer Experience program.

It is recommended that you select the **Yes** option and click the **OK** button to proceed.



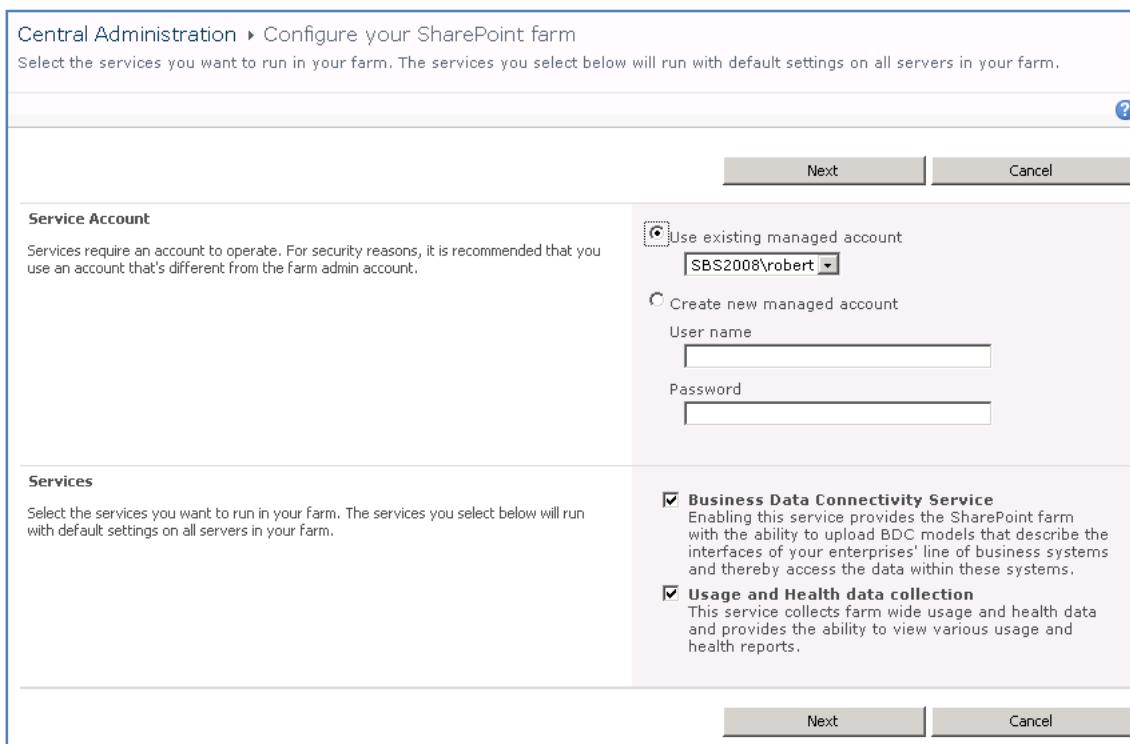
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You will now see the option asking you how you wish to configure your SharePoint farm. If you simply wish to have WSF installed using the standard defaults (not recommended) then select the *Start the Wizard* button. If however you wish to have the best integration possible with SBS 2008 then select the Cancel button and skip to the Manual configuration section below.

Wizard

This process SHOULD NOT be run if you wish to configure SharePoint 2010 Foundation to respond as <http://companyweb> on your SBS 2008 server. This process will install SharePoint 2010 Foundation server on your SBS 2008 server but it will make it the default web site at port 80.

If you wish to configure SharePoint 2010 Foundation as <http://comapnyweb> please follow the steps under the Manual section listed below.

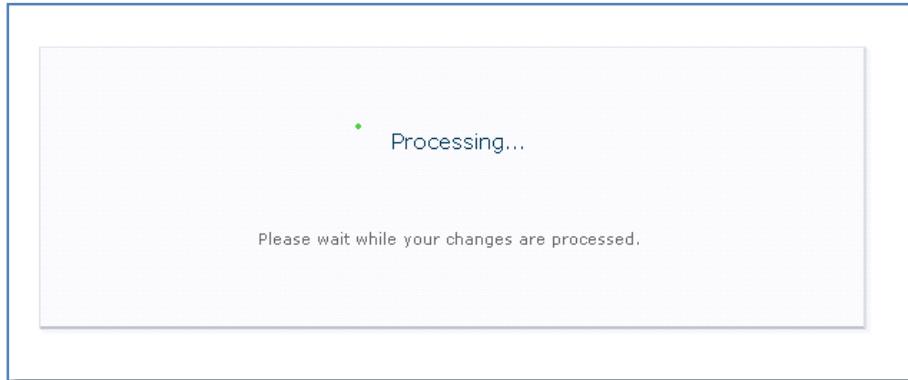


The first step in the wizard process is to select the Service under which you wish SharePoint to run. You either make a selection of an existing account or create a new account.

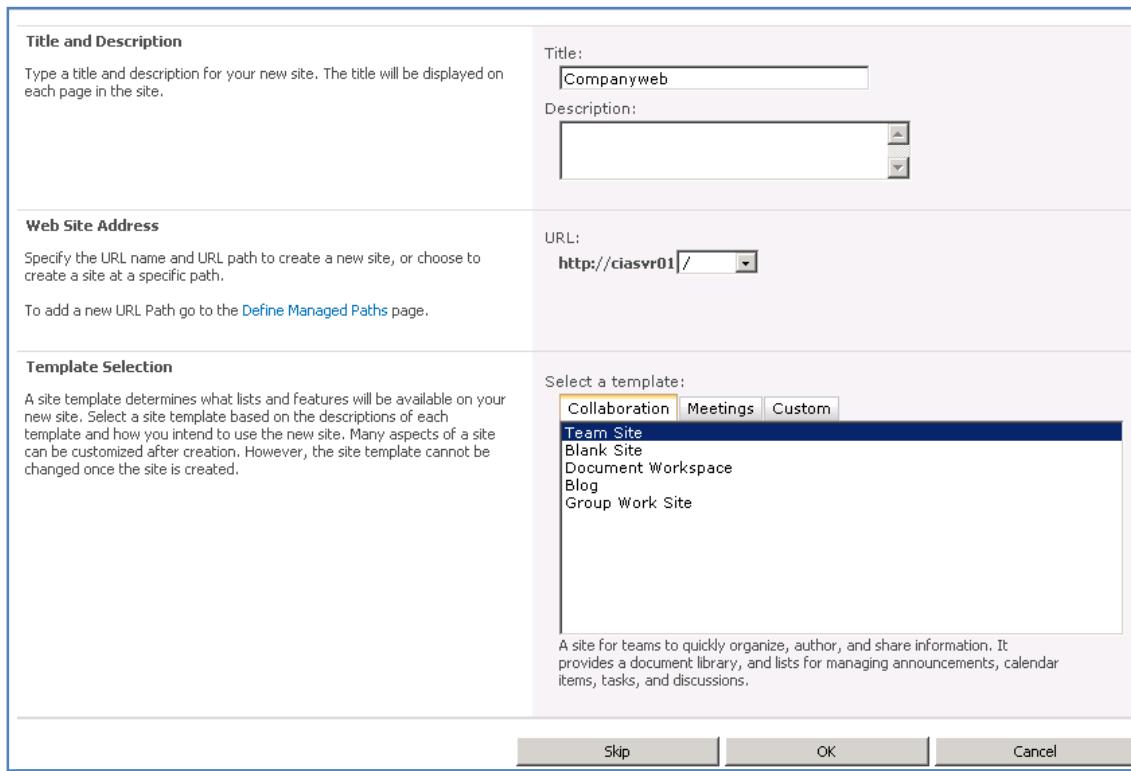
In the *Services* option at the bottom of the screen it is recommended that you leave both options checked.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Press the **Next** button to continue.



The configuration wizard will now process your selections. Note, this may take several minutes to run.

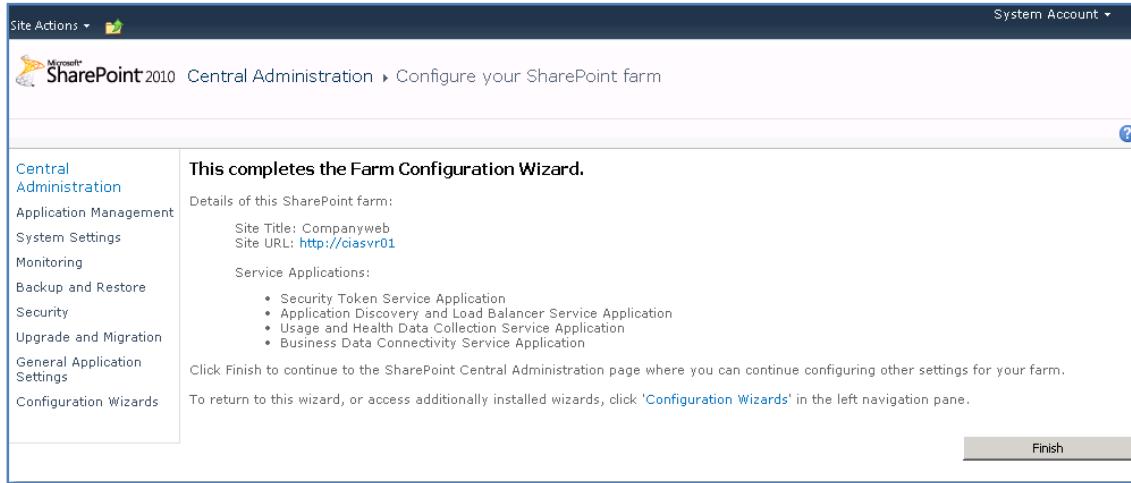


You will now be asked to give your WSF site a name and select which template to use. It is recommended that you select the template *Team site*.

You will also notice that the web site address is `http://<server_name>/`. Because you have chosen to perform a configuration using the wizard this site will be configured on port 80 (i.e. the default IIS web site).

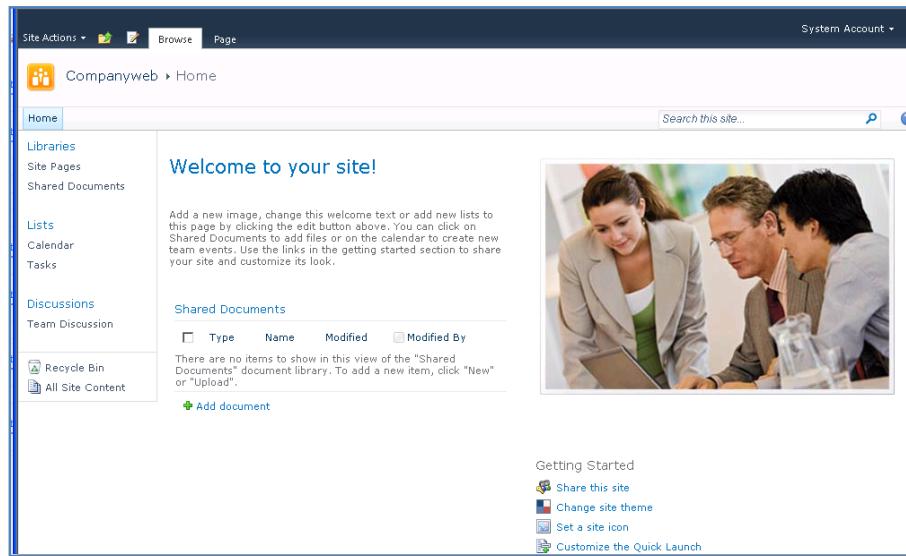
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Pres the **OK** button to proceed.



The wizard will now complete and provide you a summary as shown above.

Press the **Finish** button to complete the process.



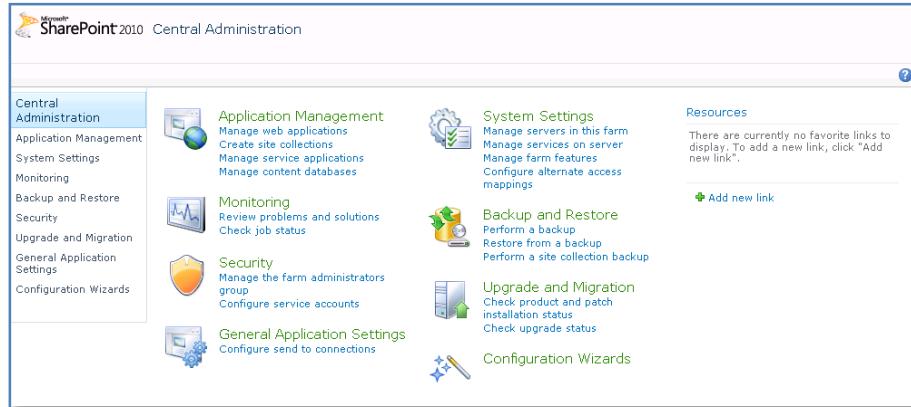
You can now view you WSF site by typing in the name of your server into a browser address line as shown above.

Note that this Wizard installation method has configured the WSF server as the default web site which may cause issues with SBS 2008.

Manual

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

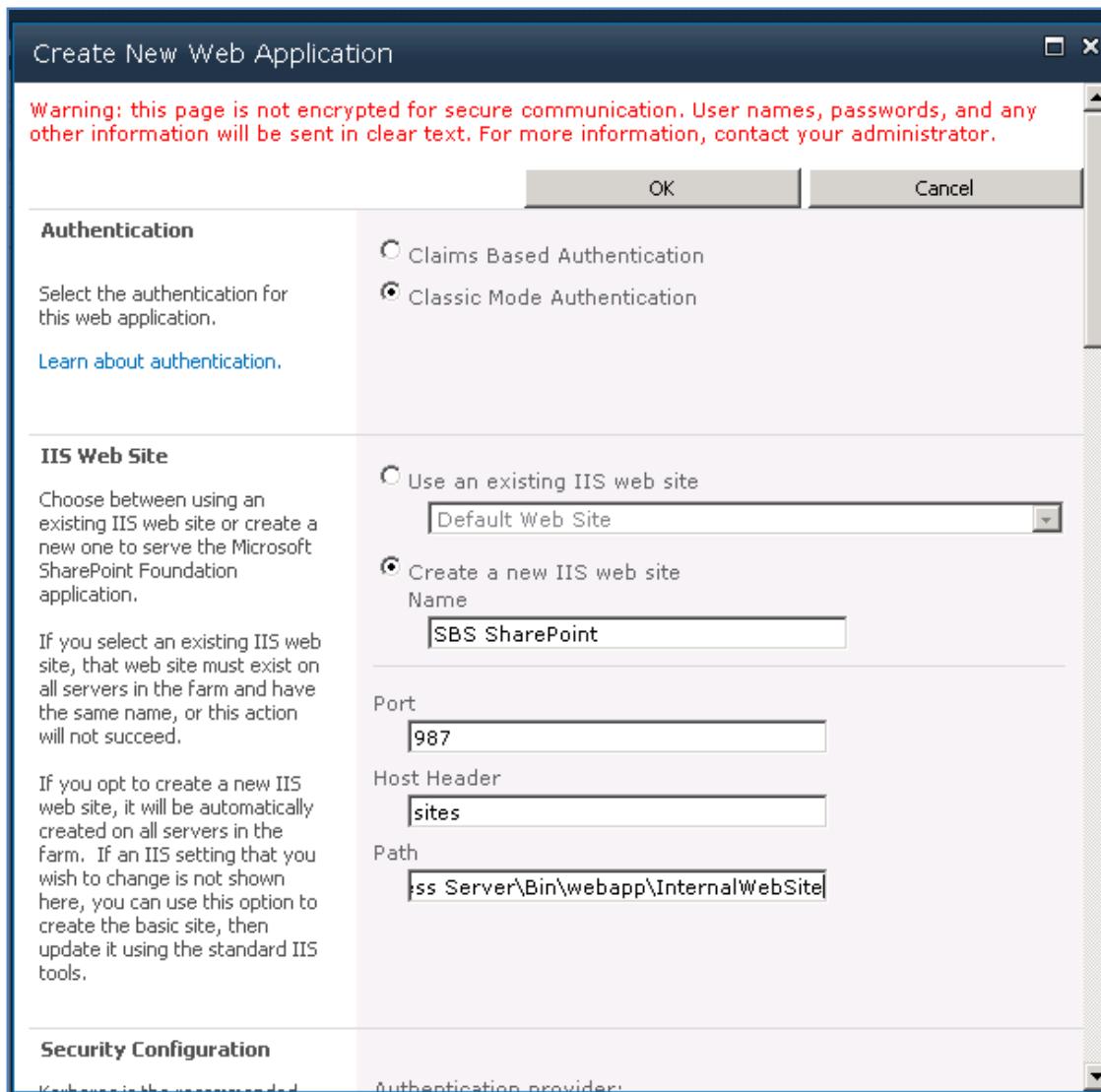
Follow this process if you wish to recreate <http://companyweb> on SBS 2008 with SharePoint 2010 Foundation.



You should now arrive on the WSF *Central Administration* page as shown above. Under the *Application* section select the link **Manage web applications**.

Select the **New** button on the top left of the ribbon.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

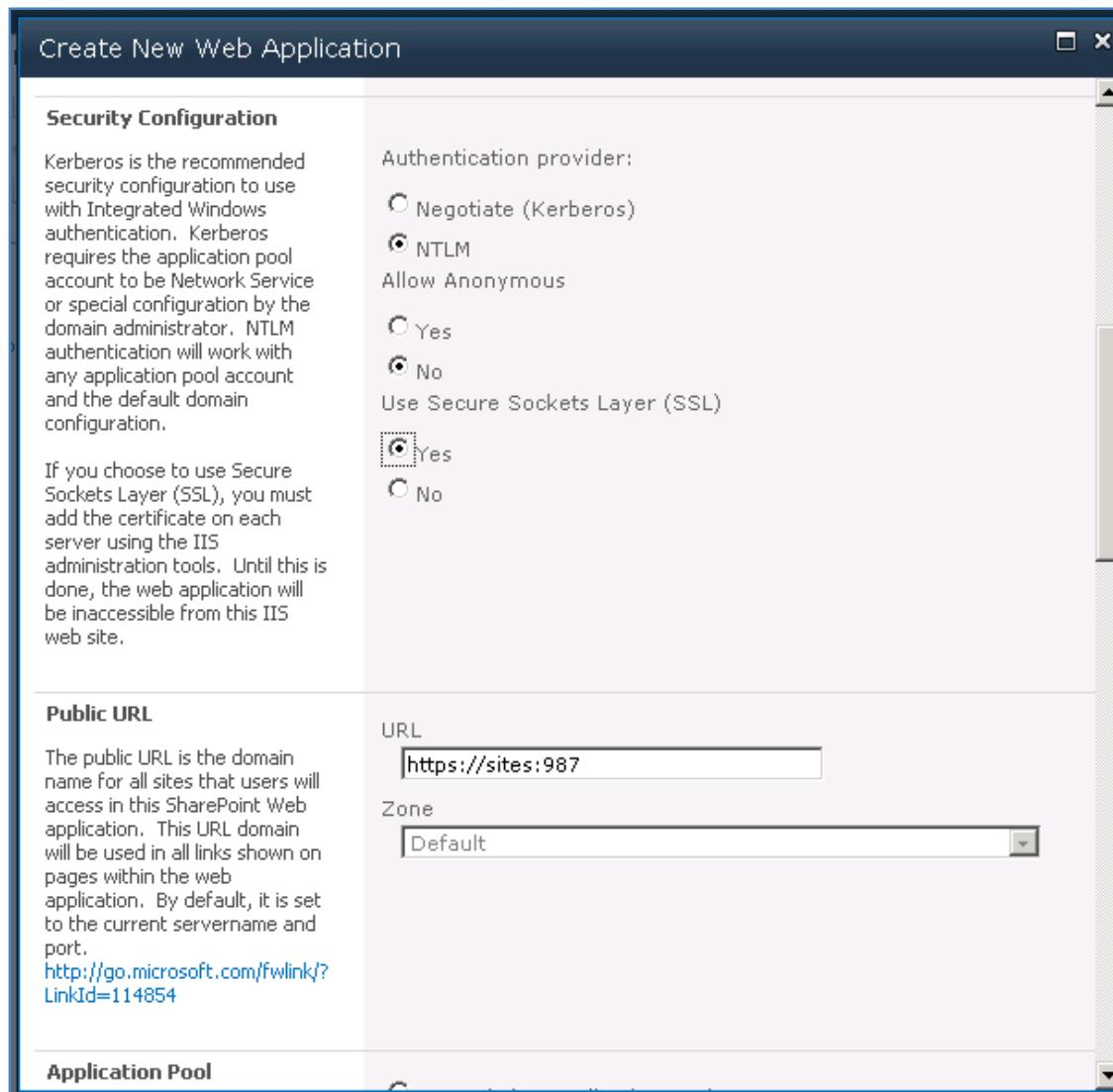


In the *Create New Web Application* window select the option to **Create a new IIS web site**. It is important to name this web site *SBS SharePoint* exactly as shown above (including case) because this has a bearing on what is reported back to the SBS 2008 console. If this spelling and case are not identical here then you may lose some functionality in the SBS 2008, not the WSF site just the SBS console.

Select the *Port* as **987** and put **sites** into the *Host Header* field. Ensure that the *Path* contains *c:\program files\windows small business server\bin\webapp\internalwebsite*.

Scroll down the page for more options.

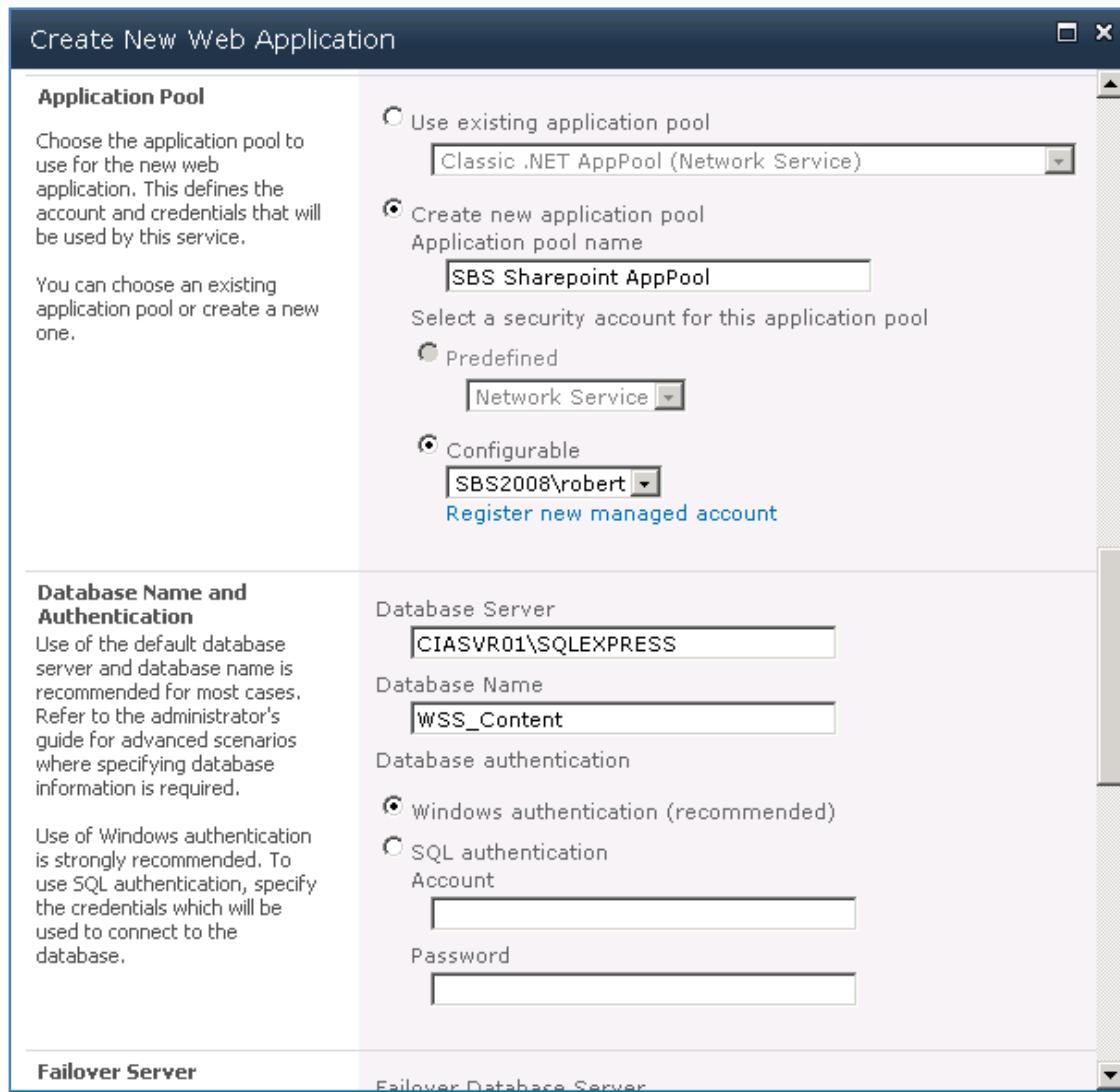
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



In the *Security Configuration* section set the *Authentication Provider* to be **NTLM**. Set *Anonymous access* to **No** and select **Yes** for the option to *Use Secure Sockets Layer (SSL)*. Ensure that *https://sites:987* is displayed in the *Load Balanced URL Location*.

Scroll down the screen for more options.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

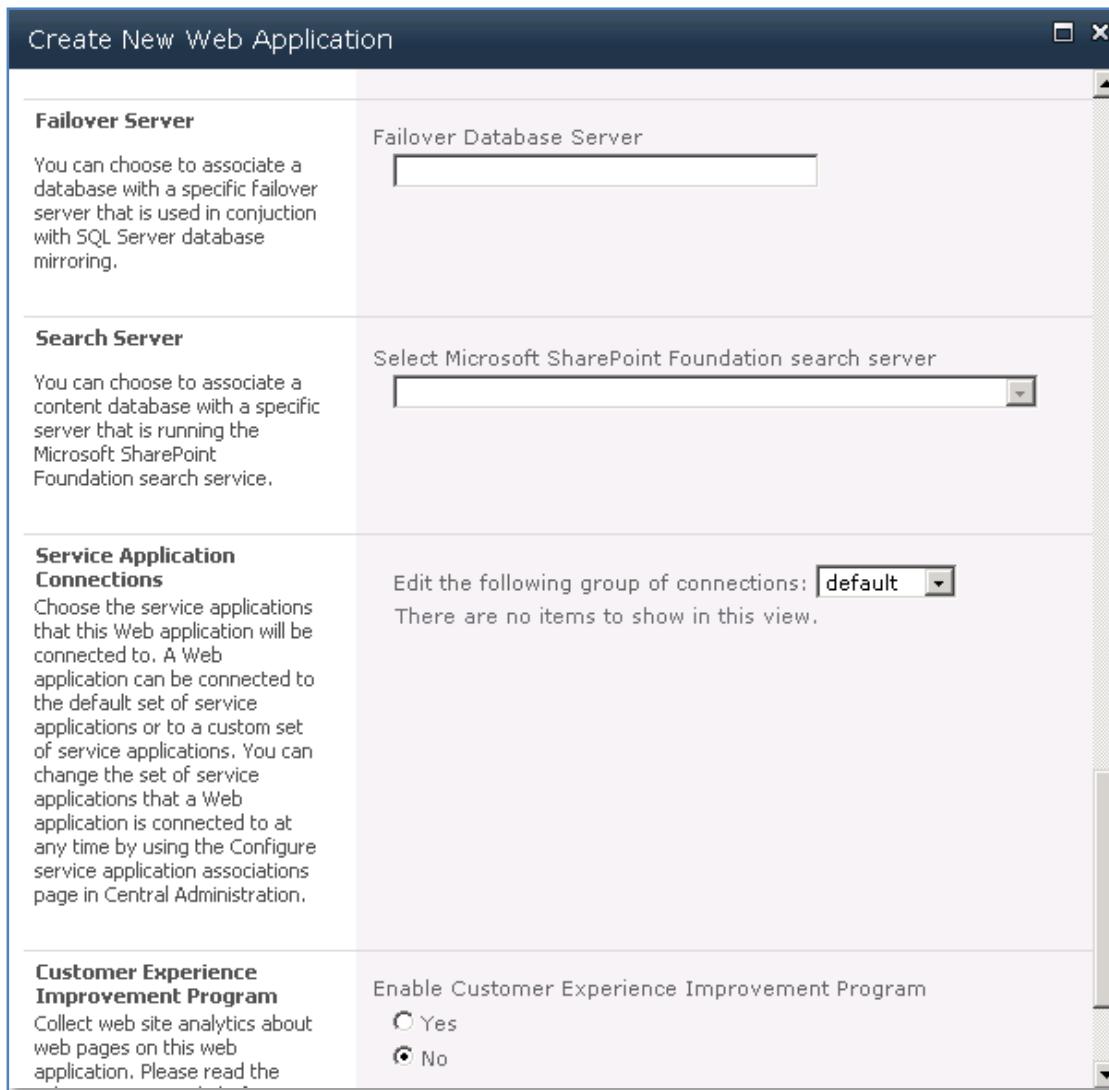


Select *Create new application pool* and ensure that this pool is called *SBS Sharepoint AppPool* exactly as it is shown (including case) or as previously mentioned you may have issues with SBS 2008 console functionality.

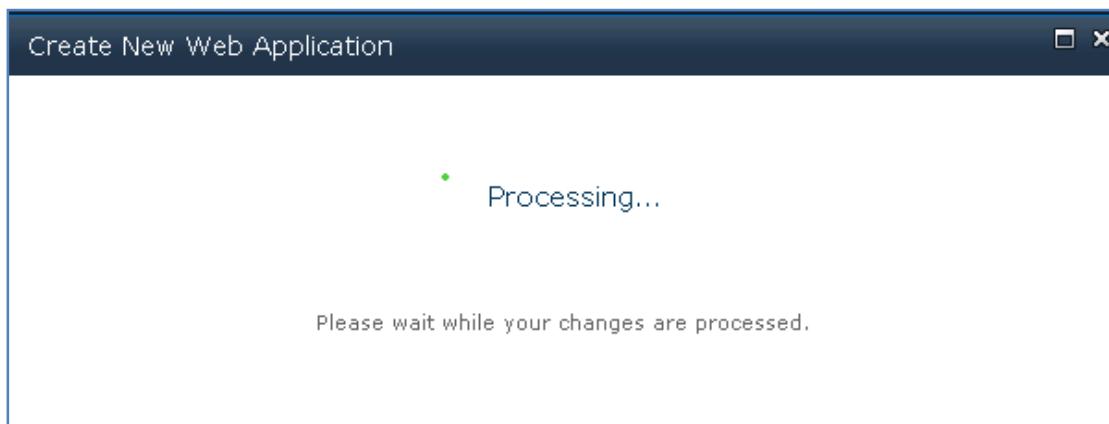
Select an existing account for this application pool or click on the link to *Register a new managed account*.

Leave the options in the *Database Name and Authentication* as they are shown. They should be pointing to the SBS 2008 Server and the SQL Server you are using (in this case SQLEXPRESS) and the content database WSS_Content. Also ensure that *Windows authentication* is selected.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

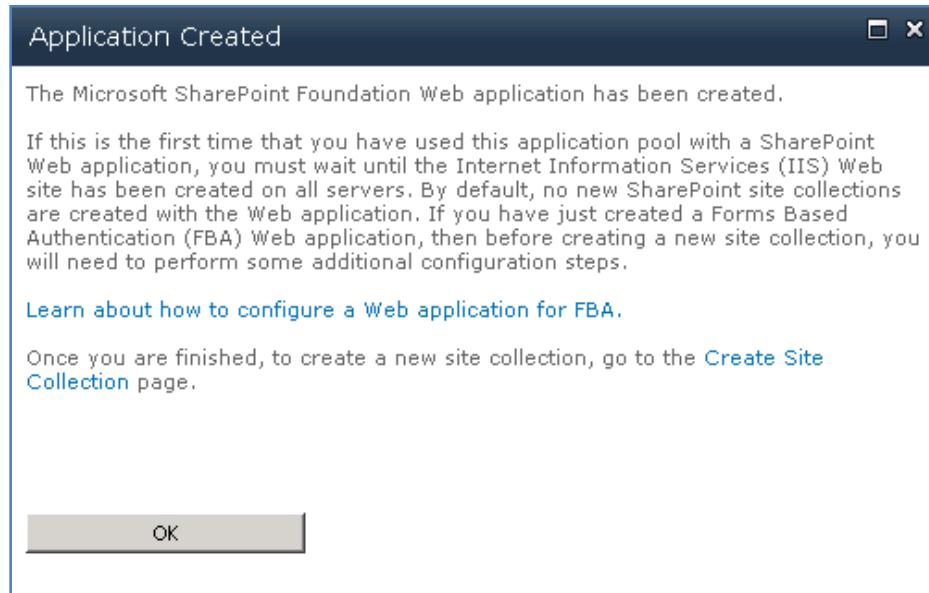


Scroll down through the remaining options, leaving them unchanged and press the **OK** button at the bottom of the screen to create the new web application.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You should now see a window indicating your changes are being configured. This may take a few moments to complete.



You should now receive a message telling you that the application has been successfully created.

Press the **OK** button to proceed.

A screenshot of the SharePoint Central Administration interface, specifically the "Web Applications" section. The top navigation bar includes "Site Actions", "Browse", and "Web Applications". On the left, there's a navigation tree with items like "Central Administration", "Application Management", "System Settings", "Monitoring", etc. The main content area shows a table of web applications. The table has columns for "Name", "URL", and "Port". There are two entries: "SharePoint Central Administration v4" with URL "http://ciasvr01:4311/" and Port "4311", and "SBS SharePoint" with URL "https://sites:987/" and Port "987".

You should now see the SBS SharePoint web application you just created displayed in the list of web applications.

Return to the *Central Administration* home page.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The screenshot shows the SharePoint 2010 Central Administration interface. The left navigation bar has 'System Settings' selected. The main content area displays three sections: 'Servers' (Manage servers in this farm | Manage services on server), 'E-Mail and Text Messages (SMS)' (Configure outgoing e-mail settings | Configure incoming e-mail settings | Configure mobile account), and 'Farm Management' (Configure alternate access mappings | Manage farm features | Manage farm solutions | Manage user solutions | Configure privacy options | Configure cross-firewall access zone).

Select **System Settings**. Then select **Configure alternate access mappings** from the *Farm management* section.

The screenshot shows the 'Add Internal URLs' page under 'System Settings'. The left navigation bar is identical to the previous screen. The main area has two sections: 'Alternate Access Mapping Collection' (Select an Alternate Access Mapping Collection) and 'Add Internal URL' (Enter the protocol, host and port portion of any URL that should be associated with this resource). In the 'Add Internal URL' section, the 'Alternate Access Mapping Collection' dropdown is set to 'SBS SharePoint'. The 'URL protocol, host and port' field contains 'http://companyweb' and the 'Zone' dropdown is set to 'Intranet'. At the bottom are 'Save' and 'Cancel' buttons.

From the menu across the top of the web sites select *Add Internal URLs*.

The section *Alternate Access Mapping Collection* should read *SBS SharePoint* as shown above. If it doesn't use the arrow key to the right to select this web application.

With *SBS SharePoint* set as the *Alternate Access Mapping Collection* enter `http://companyweb` into the URL protocol, host and port fields. Then sure the Zone is set to *Intranet* from the pull down menu.

Select **OK** to save changes.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Internal URL	Zone	Public URL for Zone
https://sites:987	Default	https://sites:987
http://companyweb	Intranet	http://companyweb

You will now be returned to the *Alternate Access Mappings* window where you should see something like that shown above with <http://companyweb> listed on the Intranet Zone.

Return to the *Central Administration* home page.

The screenshot shows the SharePoint 2010 Central Administration interface. The title bar reads "Microsoft SharePoint 2010 Central Administration > Application Management". The left navigation bar has a "Central Administration" section with a "Application Management" link that is currently selected and highlighted in blue. Below this, there are links for System Settings, Monitoring, Backup and Restore, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards. The main content area is titled "Application Management" and contains four sections: "Web Applications" (Manage web applications | Configure alternate access mappings), "Site Collections" (Create site collections | Delete a site collection | Confirm site use and deletion | Specify quota templates | Configure quotas and locks | Change site collection administrators | View all site collections | Configure self-service site creation), "Service Applications" (Manage service applications | Configure service application associations | Manage services on server), and "Databases" (Manage content databases | Specify the default database server | Configure the data retrieval service).

Select **Application Management** and then the **Create site collections** link from the *Site Collections* section.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The screenshot shows the 'Create Site Collection' dialog box in SharePoint Central Administration. The left sidebar lists 'Central Administration' and various management options. The main area has three tabs: 'Web Application', 'Title and Description', and 'Web Site Address'. The 'Web Application' tab is selected, showing a dropdown menu where 'https://sites:987/' is highlighted. The 'Title' field contains 'Companyweb' and the 'Description' field contains 'Internal Web site'. The 'Web Site Address' tab shows the URL 'https://sites:987/'. The 'Template Selection' tab includes a note about site templates and a list of options: 'Collaboration' (selected), 'Meetings', 'Custom', 'Team Site', and 'Blank Site'.

Ensure that the web application displays <https://sites:987>. If it doesn't use the arrow button at the right to select this web application.

In the *Title* field enter **Companyweb**.

In the *Description* enter *Internal Web site*

Leave the *Web Site Address* unchanged at /. Scroll down the page for more options.

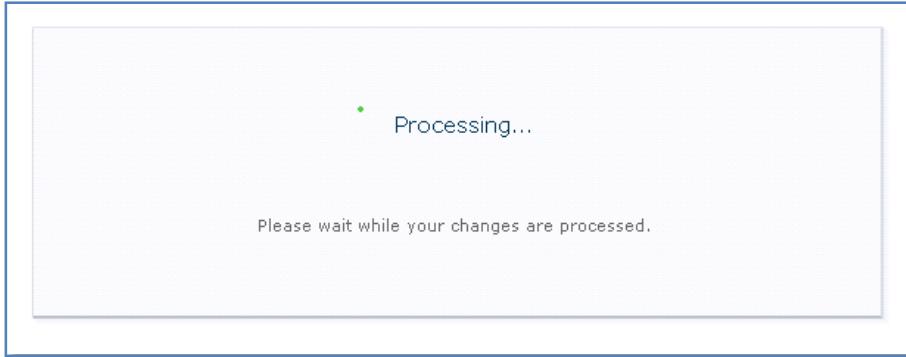
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Template Selection A site template determines what lists and features will be available on your new site. Select a site template based on the descriptions of each template and how you intend to use the new site. Many aspects of a site can be customized after creation. However, the site template cannot be changed once the site is created.	Select a template: Collaboration Meetings Custom Team Site Blank Site Document Workspace Blog Group Work Site A site for teams to quickly organize, author, and share information. It provides a document library, and lists for managing announcements, calendar items, tasks, and discussions.
Primary Site Collection Administrator Specify the administrator for this site collection. Only one user login can be provided; security groups are not supported.	User name: <input type="text" value="Robert Crane"/>  
Secondary Site Collection Administrator Optionally specify a secondary site collection administrator. Only one user login can be provided; security groups are not supported.	User name: <input type="text"/>  
Quota Template Select a predefined quota template to limit resources used for this site collection. To add a new quota template, go to the Manage Quota Templates page.	Select a quota template: <input type="button" value="No Quota"/> Storage limit: Number of invited users:

In the *Template Selection* ensure that you have selected the **Team Site** within the **Collaboration** tab selected.

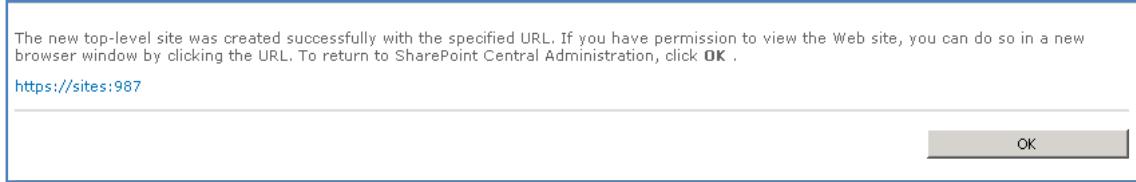
In the *Primary Site Collection Administrator* enter the details of the SBS 2008 administrator login. You can use the check person icon or the address book icon to locate and confirm that user. You may also select to have any other SBS 2008 user as the *Secondary Site Collection Administrator* but it is not necessary.

Scroll down the screen and press the **OK** button at the bottom to save your configuration.



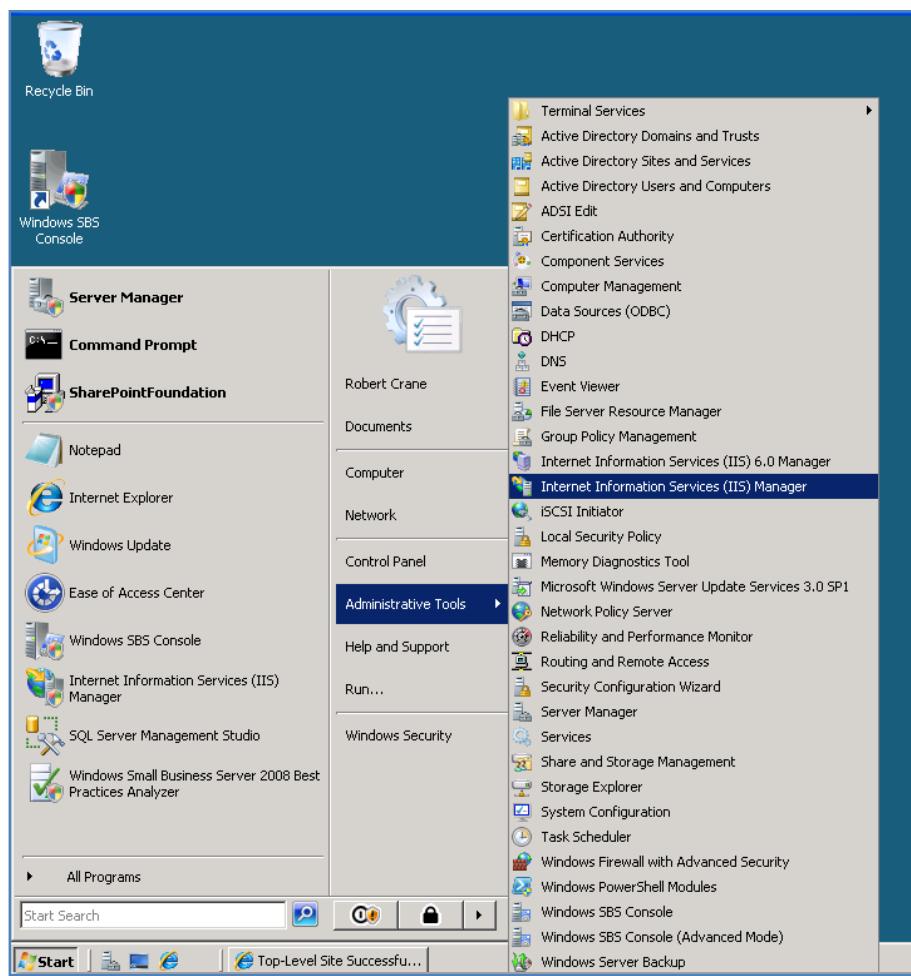
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You should now see a screen telling you that your changes are being processed. This may take a few minutes to complete.



At the completion you should see a message like that shown above indicating that a top level site has been successfully created.

Press the **OK** button to continue.

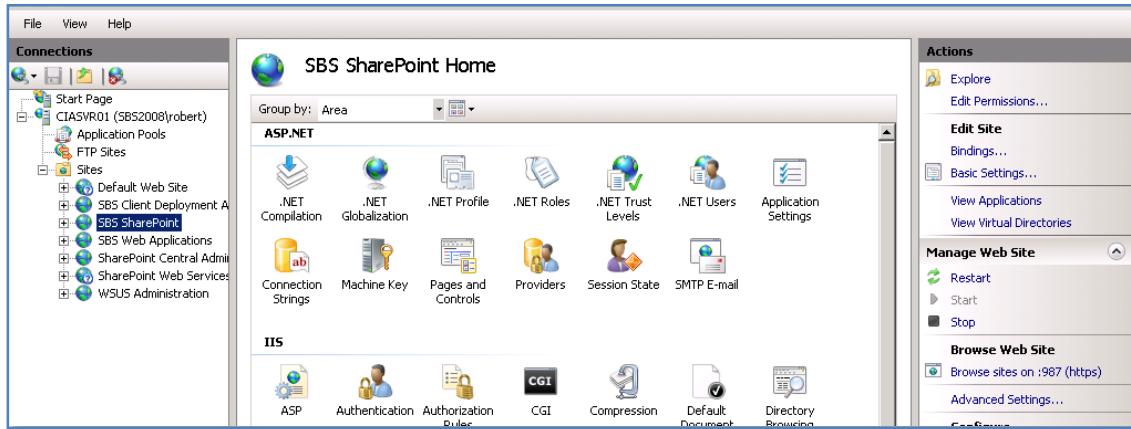


The next step in the process is to configure the web server via IIS Management to respond correctly to a request for <http://companyweb>.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

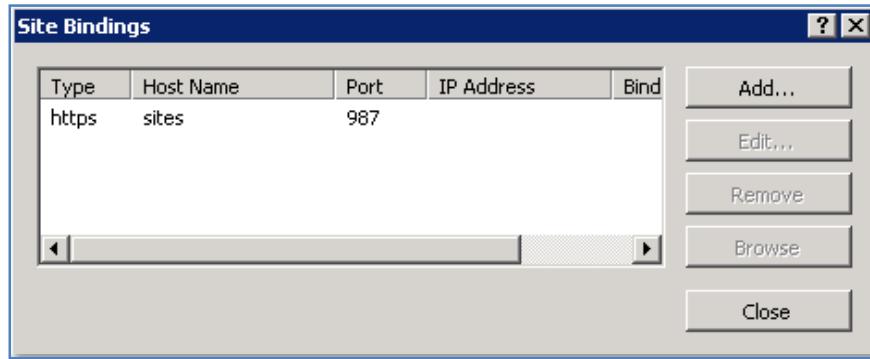
Select Start | Administrative Tools | Internet Information Services (IIS) Manager.

Accept the *User Account Control* window when it appears by pressing the **Continue** button.



Inside the *IIS Manager* locate the *Sites* folder on the left hand side. Under the *Sites* folder locate the *SBS SharePoint* site and select it with the left mouse button like shown above.

Once the SBS SharePoint site has been selected click on the **Bindings** link on the right hand side of the Windows under the *Edit Site* section at the top of the window.



You should see the above window indicating that the only binding that this site currently has is for https on port 987 which are the details of the site that was created using the SharePoint Central Administration.

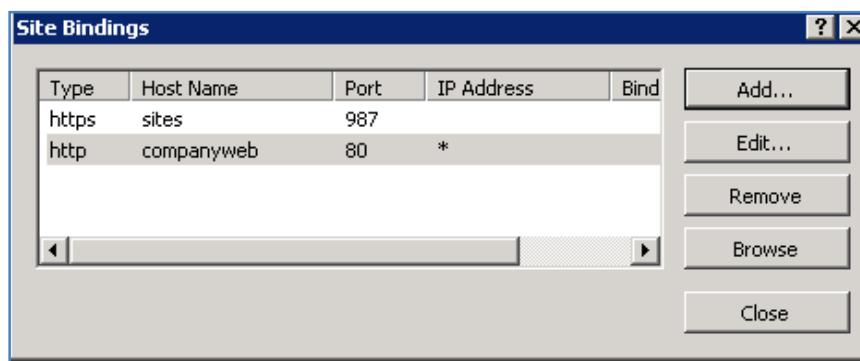
Click the **Add** button to create a new binding.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



In the *Add Site Binding* windows ensure that the *Type* is set to **http**, *IP Address* is set to **All Unassigned**, *Port* is set to **80** and *Host name* is set to **companyweb**.

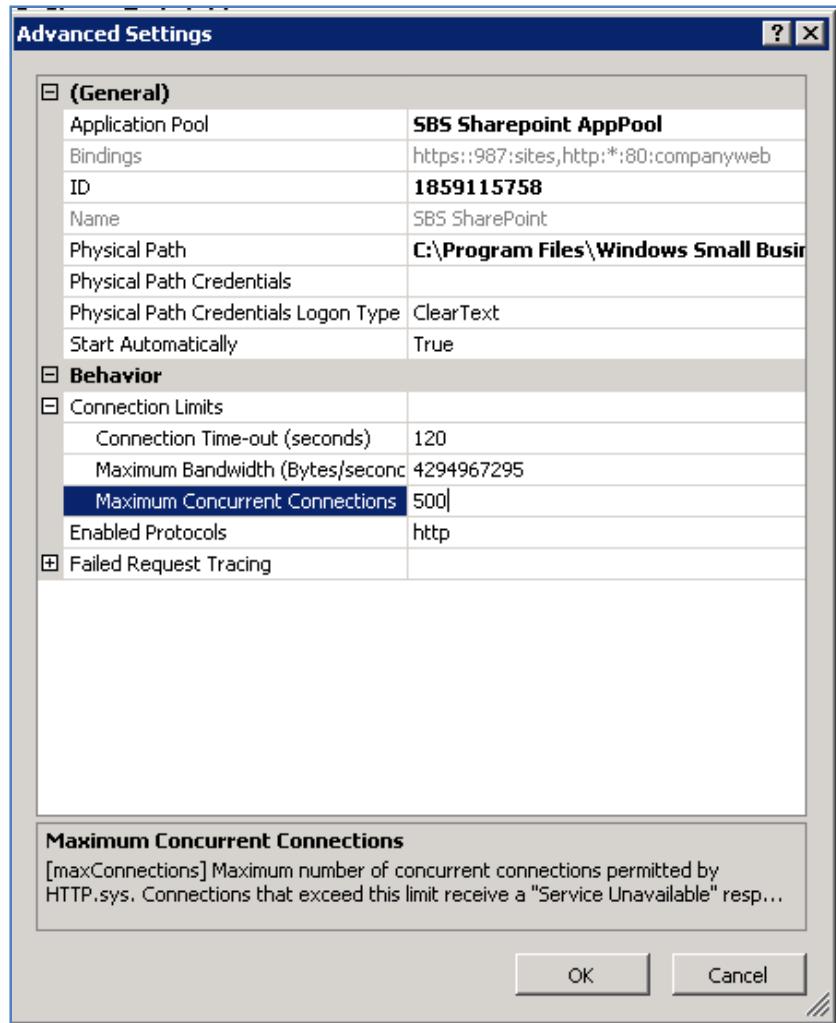
When complete, press the **OK** button to save your settings.



In the bindings windows you should now see two bindings like shown above, including one for companyweb.

Press the **Close** button to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



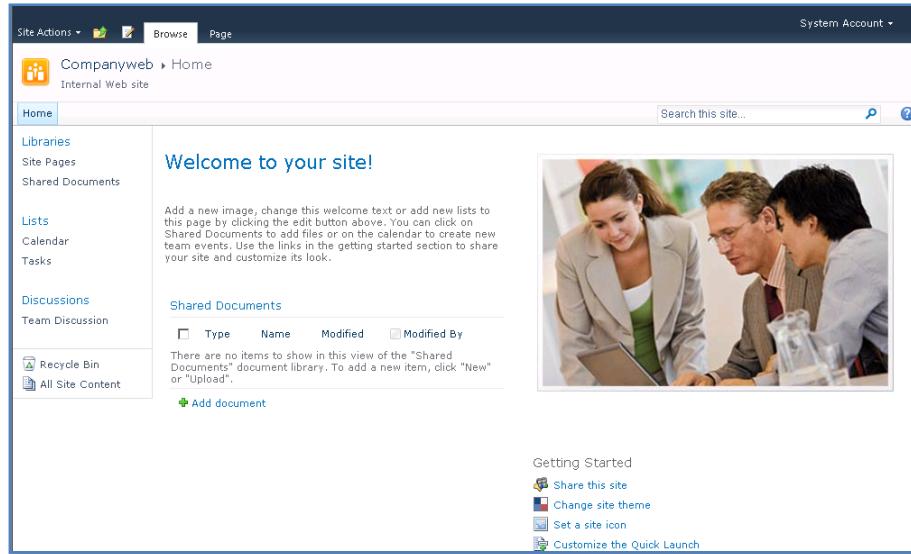
You will be returned to the *IIS Manager*. Select **Advanced Settings** hyperlink in the lower right of the *Actions* column. Locate the entry for *Maximum Concurrent Connections*.

Click in the existing entry and change the number displayed to **500** as shown above.

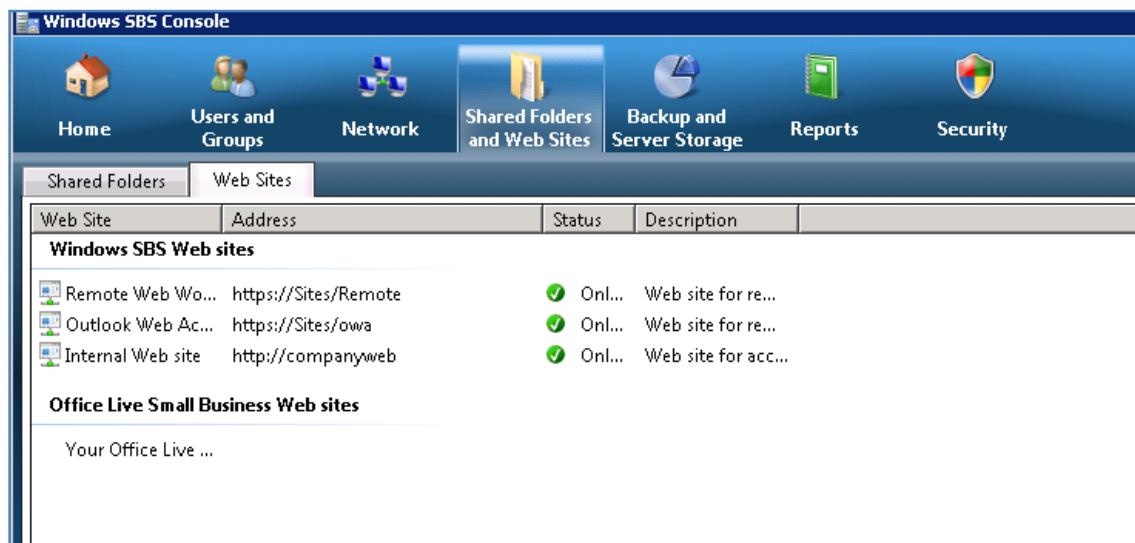
Press the **OK** button to proceed.

You will now be returned to the *IIS Manager* which you can now close.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

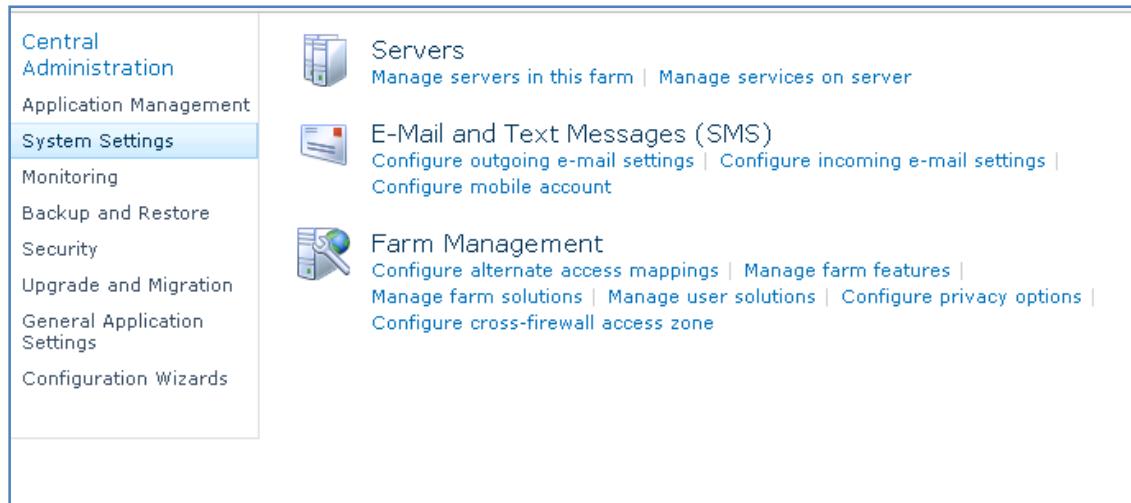


If you now type <http://companyweb> into a web browser you should see the familiar WSF homepage as shown above.



If you also now open the SBS Console and select **Shared Folders and Web Sites**, then the Web Sites tab you should see the entry *Internal Web Site* with a status of *Online*. Return to the SharePoint Central Administration site to ensure that search has been enabled.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



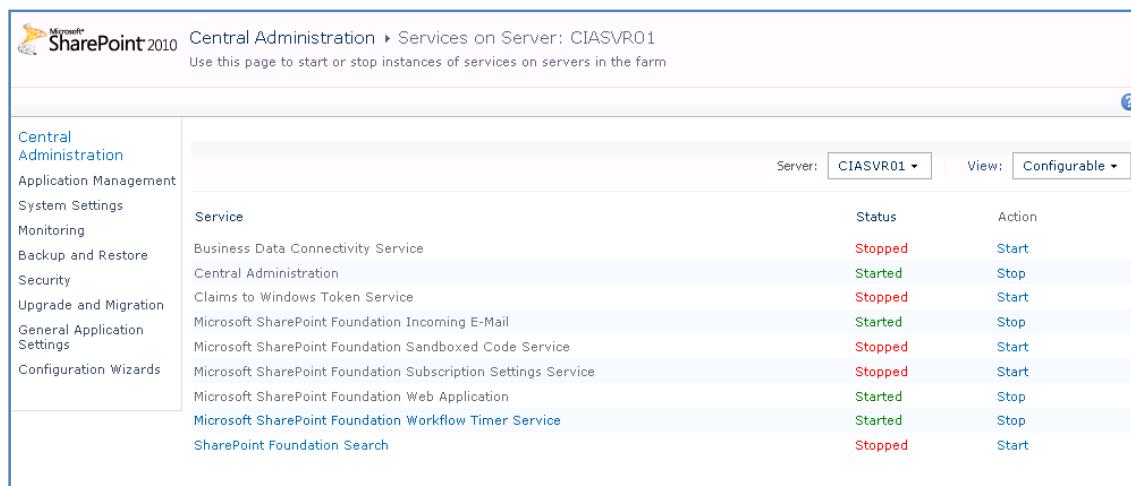
The screenshot shows the SharePoint Central Administration interface. On the left, there is a navigation menu with the following items:

- Central Administration
- Application Management
- System Settings** (selected)
- Monitoring
- Backup and Restore
- Security
- Upgrade and Migration
- General Application Settings
- Configuration Wizards

The main content area has three sections:

- Servers**: Manage servers in this farm | Manage services on server
- E-Mail and Text Messages (SMS)**: Configure outgoing e-mail settings | Configure incoming e-mail settings | Configure mobile account
- Farm Management**: Configure alternate access mappings | Manage farm features | Manage farm solutions | Manage user solutions | Configure privacy options | Configure cross-firewall access zone

Select **System Settings** then **Manage services on server** from the **Servers** section.



The screenshot shows the 'Services on Server' page in Central Administration. The navigation menu on the left includes:

- Central Administration
- Application Management
- System Settings
- Monitoring
- Backup and Restore
- Security
- Upgrade and Migration
- General Application Settings
- Configuration Wizards

The main content area displays a table of services with the following data:

Service	Status	Action
Business Data Connectivity Service	Stopped	Start
Central Administration	Started	Stop
Claims to Windows Token Service	Stopped	Start
Microsoft SharePoint Foundation Incoming E-Mail	Started	Stop
Microsoft SharePoint Foundation Sandbox Code Service	Stopped	Start
Microsoft SharePoint Foundation Subscription Settings Service	Stopped	Start
Microsoft SharePoint Foundation Web Application	Started	Stop
Microsoft SharePoint Foundation Workflow Timer Service	Started	Stop
SharePoint Foundation Search	Stopped	Start

You will now see a list of services. Ensure that the service *SharePoint Foundation Search* is running. If not (as displayed here) click on the **Start** hyperlink to the right of the service name.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Warning: this page is not encrypted for secure communication. User names, passwords, and any other information will be sent in clear text. For more information, contact your administrator.

Service Account The search service will run using this account. The search service account must not be a built-in account in order to access the database. Examples of built-in accounts are Local Service and Network Service.	Service Account <input type="text" value="SBS2008\robert"/> Register new managed account
Content Access Account The search service will access all content using this account. The account will be added to the Full Read policy, giving it read-only access to all content. For proper search functionality and information security, do not use an administrator account, and do not use accounts that can modify content.	User name <input type="text" value="sbs2008\robert"/> Password <input type="password" value="*****"/>
Search Database Use of the default database server and database name is recommended for most cases. Refer to the administrator's guide for advanced scenarios where specifying database information is required. Use of Windows authentication is strongly recommended. To use SQL authentication, specify the credentials which will be used to connect to the database.	Database Server <input type="text" value="CIASVR01\SQLEXPRESS"/> Database Name <input type="text" value="WSS_Search_CIASVR01"/> Database authentication

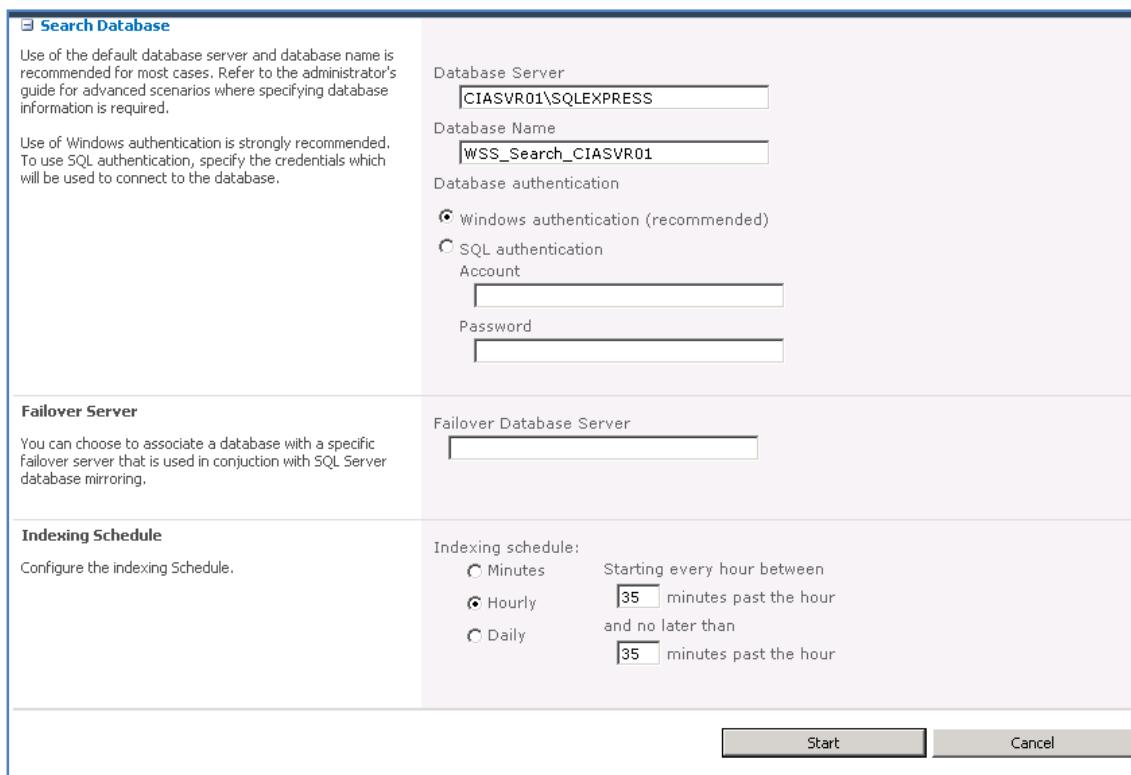
Select a *Service account* from the drop down list or select the hyperlink below to *Register new managed account*.

Enter the details for an account to access the WSF content. This account will be given full read access to WSF.

In the *Search Database* section there is no need to change either the *Database Server* or the *Database Name*.

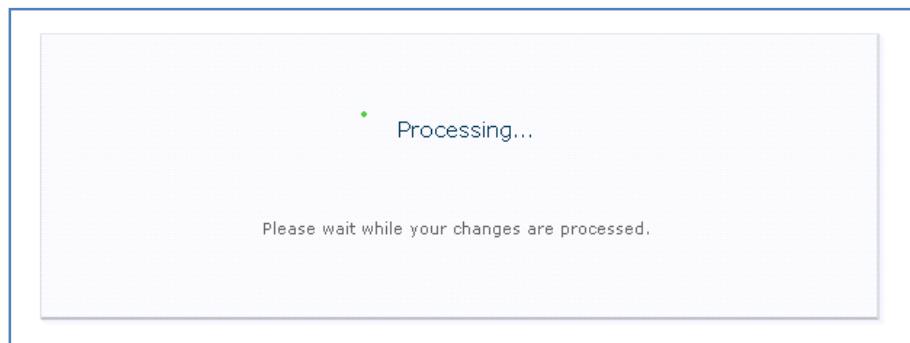
Scroll down for more options.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Leave the other settings as default, however you may choose to alter the *Indexed Schedule* to suit your requirements.

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



You should now see a message in the screen indicating that your settings are being enabled.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Service	Status	Action
Business Data Connectivity Service	Stopped	Start
Central Administration	Started	Stop
Claims to Windows Token Service	Stopped	Start
Microsoft SharePoint Foundation Incoming E-Mail	Started	Stop
Microsoft SharePoint Foundation Sandboxed Code Service	Stopped	Start
Microsoft SharePoint Foundation Subscription Settings Service	Stopped	Start
Microsoft SharePoint Foundation Web Application	Started	Stop
Microsoft SharePoint Foundation Workflow Timer Service	Started	Stop
SharePoint Foundation Help Search	Started	Stop

Once complete you should now see that the SharePoint Foundation is *Started*.

Return to the SharePoint *Central Administration* screen.

The screenshot shows the SharePoint Central Administration interface. On the left, a navigation menu is visible with the following items: Central Administration, Application Management, System Settings (which is selected and highlighted in blue), Monitoring, Backup and Restore, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards. To the right of the menu, there are three main sections: Servers, E-Mail and Text Messages (SMS), and Farm Management. The Servers section contains links to Manage servers in this farm and Manage services on server. The E-Mail and Text Messages (SMS) section contains links to Configure outgoing e-mail settings, Configure incoming e-mail settings, and Configure mobile account. The Farm Management section contains links to Configure alternate access mappings, Manage farm features, Manage farm solutions, Manage user solutions, Configure privacy options, and Configure cross-firewall access zone.

Select **System Settings** then **Configure Incoming e-mail settings** from the E-Mail and Text Messages (SMS) section.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Central Administration > Configure Incoming E-Mail Settings
Use this page to change the e-mail settings for this server. You can enable or disable incoming e-mail, specify e-mail options, and configure the Microsoft SharePoint Directory Management Web Service. [Learn about enabling and configuring incoming e-mail.](#)

Central Administration

Enable Incoming E-Mail

If enabled, SharePoint sites can receive e-mail and store incoming messages in lists, sites, lists, and groups will need to be configured individually with their own e-mail addresses.

In automatic mode, all required settings are retrieved automatically. Advanced mode is necessary only if you are not using the SMTP service to receive incoming e-mail. When using advanced mode, you need to specify the e-mail drop folder.

Message from webpage

The SMTP service is not installed. For information about the SMTP service requirement see Microsoft SharePoint Foundation Help. For information about installing the SMTP service, see the Windows Help system.

Directory Management Service

The Microsoft SharePoint Directory Management Service connects SharePoint sites to your organization's user directory in order to provide enhanced e-mail features. This service provides support for the creation and management of e-mail distribution groups from SharePoint sites. This service also creates contacts in your organization's user directory allowing people to find e-mail enabled SharePoint lists in their address book.

To use the Directory Management Service you need to provide the SharePoint Central Administration application pool account with write access to the container you specify in the Active Directory. Alternatively you can configure this server farm to use a remote SharePoint Directory Management Web Service.

Incoming E-Mail Server Display Address

Specify the e-mail server address that will be displayed in web pages when users create an incoming e-mail address for a site, list, or group.

This setting is often used in conjunction with the Microsoft SharePoint Directory Management Web Service to provide a more friendly e-mail server address for users to type.

Enable sites on this server to receive e-mail?

Yes No

Settings mode:

Automatic Advanced

E-mail server display address:

mylist @
For example, mylist@example.com

Click **OK** to accept the displayed message, the installation will be using Exchange Server to receive emails.

Enable Incoming E-Mail

If enabled, SharePoint sites can receive e-mail and store incoming messages in lists, sites, lists, and groups will need to be configured individually with their own e-mail addresses.

In automatic mode, all required settings are retrieved automatically. Advanced mode is necessary only if you are not using the SMTP service to receive incoming e-mail. When using advanced mode, you need to specify the e-mail drop folder.

Directory Management Service

The Microsoft SharePoint Directory Management Service connects SharePoint sites to your organization's user directory in order to provide enhanced e-mail features. This service provides support for the creation and management of e-mail distribution groups from SharePoint sites. This service also creates contacts in your organization's user directory allowing people to find e-mail enabled SharePoint lists in their address book.

To use the Directory Management Service you need to provide the SharePoint Central Administration application pool account with write access to the container you specify in the Active Directory. Alternatively you can configure this server farm to use a remote SharePoint Directory Management Web Service.

Incoming E-Mail Server Display Address

Specify the e-mail server address that will be displayed in web pages when users create an incoming e-mail address for a site, list, or group.

This setting is often used in conjunction with the Microsoft SharePoint Directory Management Web Service to provide a more friendly e-mail server address for users to type.

E-mail Drop Folder

Microsoft SharePoint Foundation checks periodically for incoming e-mail messages from the SMTP service. This setting specifies the folder in which to look for e-mail messages. When incoming e-mail settings are set to automatic mode, the e-mail drop folder is set automatically to the folder specified by the SMTP service.

Note: When incoming e-mail settings are set to advanced mode you need to ensure that

Enable sites on this server to receive e-mail?

Yes No

Settings mode:

Automatic Advanced

Use the SharePoint Directory Management Service to create distribution groups and contacts?

No Yes Use remote

E-mail server display address:

mylist @
For example, mylist@example.com

E-mail drop folder:

c:\inetpub\mailroot\drop
For example, c:\inetpub\mailroot\drop

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Select **Yes** to enable *Incoming email*. Select **No** for *Use the SharePoint Directory Management Service*. Enter a domain name in the *Incoming E-Mail Server Display Address*. Leave the *E-mail drop folder* set as *c:\inetpub\mailroot\drop*.

Scroll down the screen and press the **OK** button to save the configuration.

You will be returned to the SharePoint *Central Administration*.

The screenshot shows the SharePoint Central Administration interface. On the left, there is a navigation menu with the following items:

- Central Administration
- Application Management
- System Settings** (selected)
- Monitoring
- Backup and Restore
- Security
- Upgrade and Migration
- General Application Settings
- Configuration Wizards

On the right, under the **System Settings** section, there are three main categories:

- Servers**: Manage servers in this farm | Manage services on server
- E-Mail and Text Messages (SMS)**: Configure outgoing e-mail settings | Configure incoming e-mail settings | Configure mobile account
- Farm Management**: Configure alternate access mappings | Manage farm features | Manage farm solutions | Manage user solutions | Configure privacy options | Configure cross-firewall access zone

Ensure that System Settings are selected and then select **Configure outgoing e-mail** settings from the *E-Mail and Text Messages (SMS)* section.

The screenshot shows the 'Mail Settings' dialog box. On the left, there is a description of the settings:

Specify the SMTP mail server to use for Microsoft SharePoint Foundation e-mail-based notifications for alerts, invitations, and administrator notifications. Personalize the **From address** and **Reply-to address**.

On the right, there are input fields for the following settings:

- Outbound SMTP server: **SharePointSMTPServer**
- From address: **admin@domain.com**
- Reply-to address: **admin@domain.com**
- Character set: **65001 (Unicode UTF-8)**

At the bottom right are the **OK** and **Cancel** buttons.

Set the Outbound SMTP server option to **SharePointSMTPServer**. Also add an email address for the *From address* and *Reply-to-address* options. Leave the Character set as 65001 (Unicode UTF-8)

Press the **OK** button to save the changes when complete.

SharePoint Foundation 2010 is now configured on your SBS 2008 server. It is important to note that even if you have done the manual install and replaced Companyweb the

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

existing SBS wizards will not work with SharePoint Foundation 2010. You also lose the ability to route inbound faxes and archive emails. However, you gain the ability to now run Office Web Apps and Search Server Express.

4.4 Follow through of Microsoft install method on SBS 2008

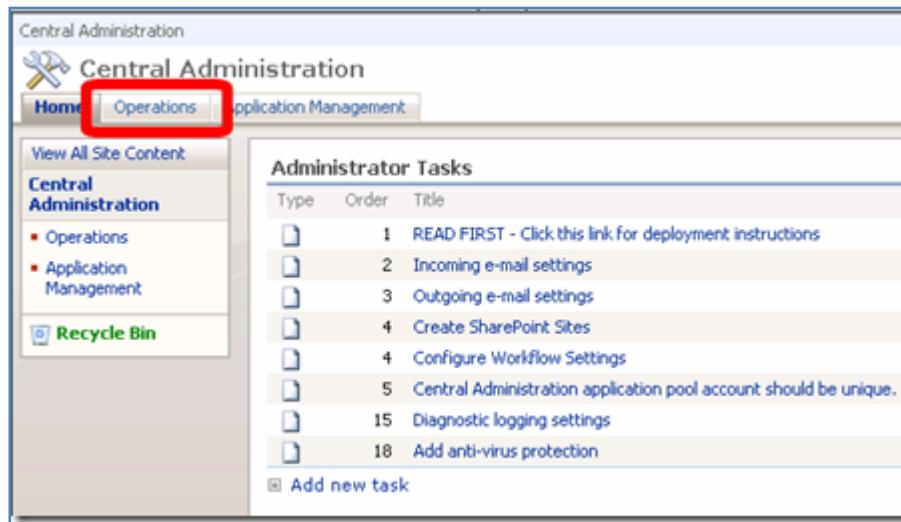
This is based on the document:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=2dc66a0f-f840-4b29-93d3-13db70c85cba&;displayLang=en>

and includes some additional comments about the process. Please note that there are errors in the Microsoft document that will cause problems if you follow this method exactly. These areas have been noted in the relevant sections.

Step 1: Install Windows SharePoint Services 3.0 Service Pack 2 (SP2)

Before you apply the patch it is probably easiest to check to see whether it is already present. To do so, run the *SharePoint Central Administration* console on the SBS 2008 server via **Start | Administrative Tools | SharePoint 3.0 Central Administration**.



Select the **Operations** tab.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

This page contains links to pages that help you manage your server or server farm, such as each server, and changing settings that affect multiple servers or applications.

Topology and Services

- [Servers in Farm](#) **(highlighted)**
- [Services on server](#)
- [Outgoing e-mail settings](#)
- [Incoming e-mail settings](#)
- [Approve/reject distribution groups](#)

Security Configuration

Then select the **Servers in farm** hyperlink under the *Topology and Services* section.

Server	Services Running	Version	Remove Server
CIA5VR01	Central Administration Windows SharePoint Services Database Windows SharePoint Services Incoming E-Mail Windows SharePoint Services Search Windows SharePoint Services Web Application	12.0.0.6421	Remove Server
SharepointSMTPServer	Windows SharePoint Services Outgoing E-Mail		Remove Server

Look at the version number at the top of the page. If it is at least 12.0.0.6421 then it has WSS v3 SP2 already installed (at the time of writing the most recent version is probably 12.0.0.6539) and you can progress to the next step.

If the version number isn't up to date then you'll need to download and install:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyId=79BADA82-C13F-44C1-BDC1-D0447337051B&displaylang=en>

Once installed check the version number again and ensure everything is functioning correctly with SharePoint.

Step 2: Run the pre-upgrade checker for SharePoint Foundation 2010

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

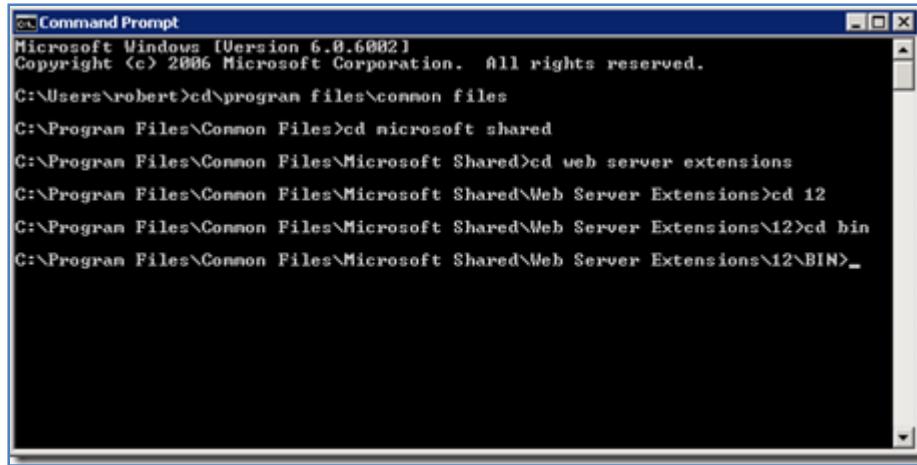


Select **Start** then **right mouse click** on *Command Prompt* and **Select Run as administrator** from the menu that appears.



Click **Continue** to accept *User Access Control*.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



```
Command Prompt
Microsoft Windows [Version 6.0.6002]
Copyright <c> 2006 Microsoft Corporation. All rights reserved.

C:\Users\robert>cd\program files\common files
C:\Program Files\Common Files>cd microsoft shared
C:\Program Files\Common Files\Microsoft Shared>cd web server extensions
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions>cd 12
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12>cd bin
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN>
```

At the command prompt:

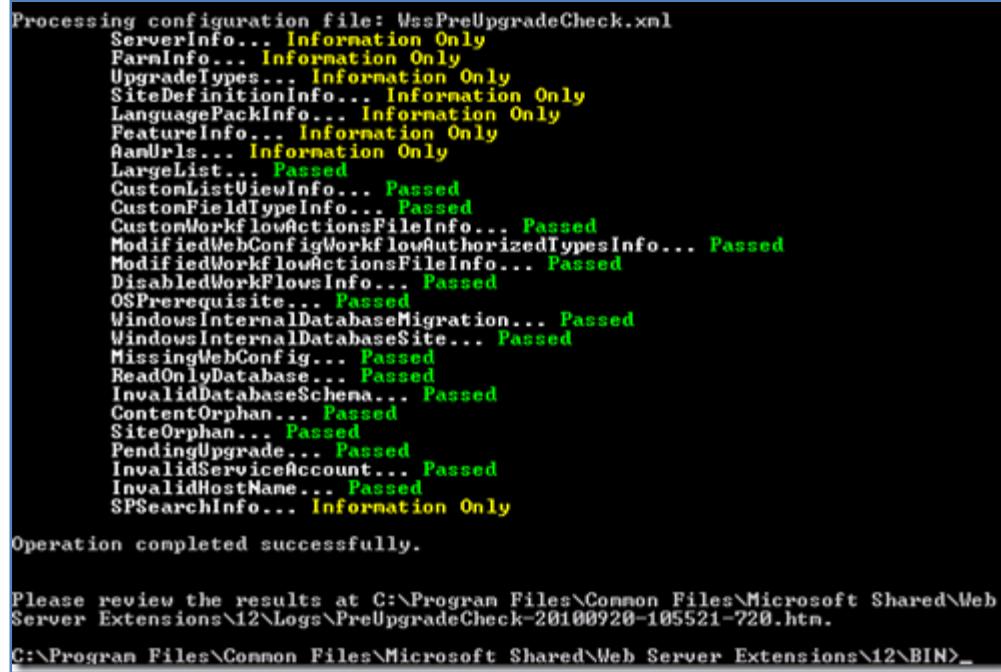
cd\program files\common files\microsoft shared\web server extensions\12\bin

and press **ENTER** to change to the SharePoint programs directory.

Now at the command prompt type:

stsadm -o preupgradecheck

and press **ENTER** to run.



```
Processing configuration file: WssPreUpgradeCheck.xml
ServerInfo... Information Only
FarmInfo... Information Only
UpgradeTypes... Information Only
SiteDefinitionInfo... Information Only
LanguagePackInfo... Information Only
FeatureInfo... Information Only
ListUrls... Information Only
LargeList... Passed
CustomListViewInfo... Passed
CustomFieldTypeInfo... Passed
CustomWorkflowActionsFileInfo... Passed
ModifiedWebConfigWorkflowAuthorizedTypesInfo... Passed
ModifiedWorkflowActionsFileInfo... Passed
DisabledWorkflowsInfo... Passed
OSPrerequisite... Passed
WindowsInternalDatabaseMigration... Passed
WindowsInternalDatabaseSite... Passed
MissingWebConfig... Passed
ReadOnlyDatabase... Passed
InvalidDatabaseSchema... Passed
ContentOrphan... Passed
SiteOrphan... Passed
PendingUpgrade... Passed
InvalidServiceAccount... Passed
InvalidHostName... Passed
SPSearchInfo... Information Only

Operation completed successfully.

Please review the results at C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\Logs\PreUpgradeCheck-20100920-105521-720.htm.
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN>
```

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You should now see something similar to that shown above as the command performs a number of checks and writes the results to a log file in the directory:

```
cd\program files\common files\microsoft shared\web server extensions\12\logs
```

When the process is complete you will be returned to the command prompt and a summary report will also be displayed in your browser like so:

SharePoint Products and Technologies Pre-Upgrade Check Report

Start time: Monday, September 20, 2010 10:55:23 AM
End time: Monday, September 20, 2010 10:56:48 AM

Information Only

Information Only : Servers in the current farm
The following is a list of all the servers that has Sharepoint installed in the current farm. This list does not include dedicated SQL servers.

- CIA SVR01

The preupgrade checker needs to be run on each of these servers in order to get a complete list of issues that might affect upgrade. For more information about this rule, see KB article 954758 in the rule article list at <http://go.microsoft.com/fwlink/?LinkId=120257>.

Information Only : The components from this farm
This sharepoint software currently running on this farm is 12.0.0.6421. The farm contains the following components:

- 2 servers
- 2 web applications
- 2 content databases, approximately total size = 53280768 bytes
- 2 Site collections

For more information about this rule, see KB article 954759 in the rule article list at <http://go.microsoft.com/fwlink/?LinkId=120257>.

Information Only : Supported upgrade types
The current farm supports the following upgrade types:

- Inplace Upgrade
- Content Database Attach

For more information about this rule, see KB article 954760 in the rule article list at <http://go.microsoft.com/fwlink/?LinkId=120257>.

It is very important to read ALL of this report, especially the last section.

Information

- Name = [SPSearchFeature], Feature id = {2ac1da39-c101-475c-8601-122bc36e3d67}, Reference count = [1], Scope = [WebApplication], Status = [Installed]

Please install each of the missing features. Otherwise, the content using these features will not function properly. For more information about this rule, see KB article 954762 in the rule article list at <http://go.microsoft.com/fwlink/?LinkId=120257>.

Information Only : Alternate Access Mapping Url(s) within the current environment that should be considered when upgrading.
The following Alternate Access Mapping Url(s) were found in the existing environment:

- name = [Central Administration], zone = [Default], public Url = <http://cia svr01:4721>, internal Url = <http://cia svr01:4721>
- name = [SBS SharePoint], zone = [Default], public Url = <https://sites:987>, internal Url = <https://sites:987>
- name = [SBS SharePoint], zone = [Intranet], public Url = <http://companyweb>, internal Url = <http://companyweb>

For more information about this rule, see KB article 954764 in the rule article list at <http://go.microsoft.com/fwlink/?LinkId=120257>.

Information Only : Informational rule to list the Windows SharePoint Services Search topology information
The Windows SharePoint Services Search topology in this farm consists of the following components:
1 search service instances

Search server:
Name = CIA SVR01
Index Size = 35293120 bytes
WSS Search DB Name = CIA SVR01\Microsoft\#SSEE\WSS_Search_WIN-EUGSO7L07P9
WSS Search DB Size = 42795008 bytes
Content Databases:

- CIA SVR01\Microsoft\#SSEE\ShareWebDb
- CIA SVR01\Microsoft\#SSEE\SharePoint_AdminContent_d4e397f2-a27a-48a0-a620-d25db6672bab

This is an informational rule for upgrade planning. For more information about this rule, see KB article 957407 in the rule article list at <http://go.microsoft.com/fwlink/?LinkId=120257>.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The simple reason is that this report gives you a whole swag of information about your WSS v3 installation including what SharePoint features are present, database sizes, URL's etc. It is especially important to note and rectify any errors or warnings before proceeding.

It is important to be aware that certain features (like [Group board workspace](#)) won't work in SharePoint Foundation 2010 and should be removed prior to migration. You may also want to closely consider how to handle any of the custom templates that have been used with your site (here's [some guidance on the Fabulous 40 WSS v3 templates](#)).

In summary, this preupgradecheck function is going to save you a lot of heartache if you carefully consider what it is telling you and take appropriate action.

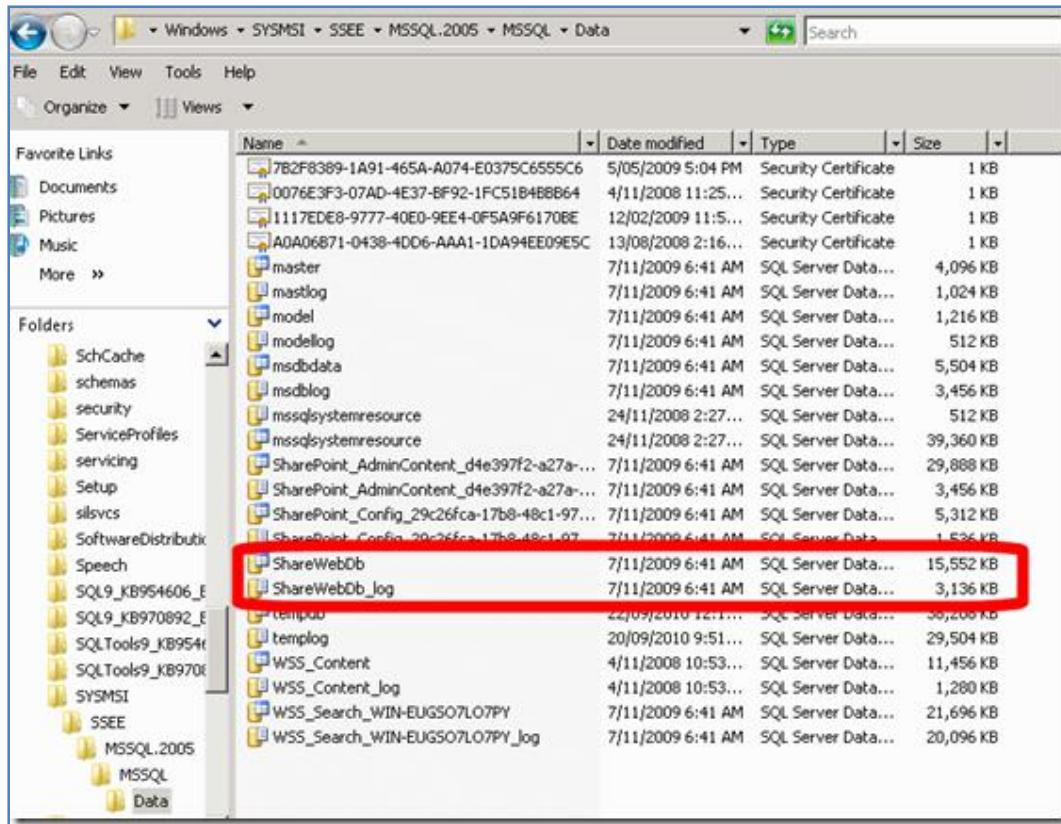
Step 3: Back up the existing data on your server

Before you launch into the migration process you should backup your data. Now, most people probably have a backup via SBS Backup or maybe some form of imaging tool, however it also a good idea to do a SharePoint backup. The reason for this is that if you need to you can always restore to an existing working SharePoint site (perhaps on another box). In the worst case this maybe on a virtual machine.

Before you go anywhere make sure you have enough space on the drive onto which you wish to save the backup. The default commands here will go to the C: drive but you can preface the file name with a drive and directory.

So how much space are you going to need to backup your SharePoint site using these methods? Good question. To get an idea go to the location of the content databases in the filesystem (be default C:\Windows\SYSMSI\SSEE\MSSQL.2005\MSSQL\data) and look at the combined size of sharewebdb and sharewebdb_log as shown below:

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



if sharewebdb_log is really large then take a look at this knowledge base article:

<http://support.microsoft.com/kb/2000544>

which provides instructions on how to minimize the space it consumes.

Remember the amount of space you'll need is roughly the combined size of both of these files.

According to the Microsoft document you need to go to the Command prompt as an administrator, then change to the directory:

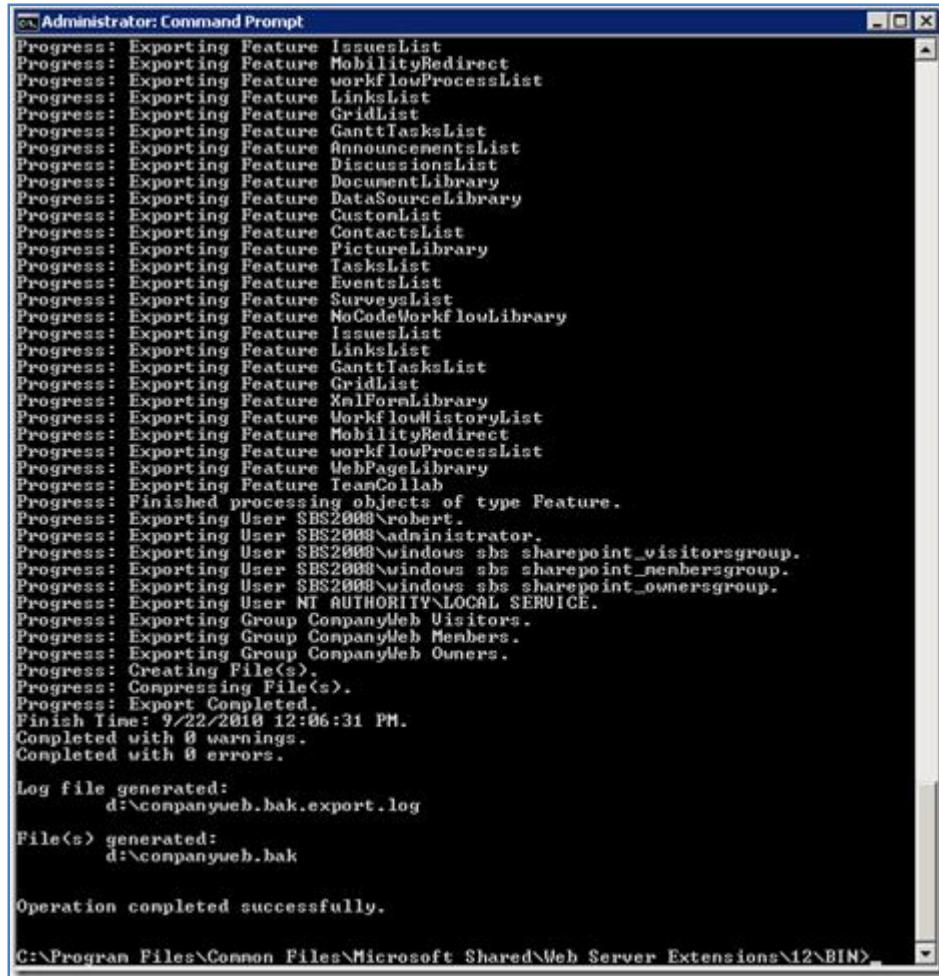
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN

then type the following command (followed by ENTER)

```
stsadm -o export -url http://companyweb -filename companyweb.bak -  
includeusersecurity
```

Something like the following scroll past:

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



```
Administrator: Command Prompt
Progress: Exporting Feature IssuesList
Progress: Exporting Feature MobilityRedirect
Progress: Exporting Feature workflowProcessList
Progress: Exporting Feature LinksList
Progress: Exporting Feature GridList
Progress: Exporting Feature GanttTasksList
Progress: Exporting Feature AnnouncementsList
Progress: Exporting Feature DiscussionsList
Progress: Exporting Feature DocumentLibrary
Progress: Exporting Feature DataSourceLibrary
Progress: Exporting Feature CustomList
Progress: Exporting Feature ContactsList
Progress: Exporting Feature PictureLibrary
Progress: Exporting Feature TasksList
Progress: Exporting Feature EventsList
Progress: Exporting Feature SurveysList
Progress: Exporting Feature NoCodeWorkflowLibrary
Progress: Exporting Feature IssuesList
Progress: Exporting Feature LinksList
Progress: Exporting Feature GanttTasksList
Progress: Exporting Feature GridList
Progress: Exporting Feature XmlFormLibrary
Progress: Exporting Feature WorkflowHistoryList
Progress: Exporting Feature MobilityRedirect
Progress: Exporting Feature workflowProcessList
Progress: Exporting Feature WebPageLibrary
Progress: Exporting Feature TeamCollab
Progress: Finished processing objects of type Feature.
Progress: Exporting User SBS2008\robert.
Progress: Exporting User SBS2008\administrator.
Progress: Exporting User SBS2008\windows sbs sharepoint_visitorsgroup.
Progress: Exporting User SBS2008\windows sbs sharepoint_membersgroup.
Progress: Exporting User NT AUTHORITY\LOCAL SERVICE.
Progress: Exporting Group CompanyWeb Visitors.
Progress: Exporting Group CompanyWeb Members.
Progress: Exporting Group CompanyWeb Owners.
Progress: Creating File(s).
Progress: Compressing File(s).
Progress: Export Completed.
Finish Time: 9/22/2010 12:06:31 PM.
Completed with 0 warnings.
Completed with 0 errors.

Log file generated:
    d:\companyweb.bak.export.log

File(s) generated:
    d:\companyweb.bak

Operation completed successfully.

C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN>
```

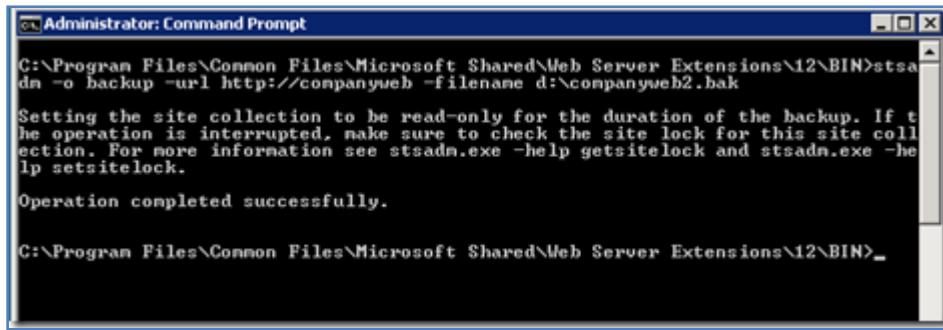
You should see that the process has completed successfully.

Now, what it is recommended that you do another full backup of your site using the following command:

stsadm -o backup -url http://companyweb -filename companyweb2.bak

which should look something like:

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



```
C:\>Administrator: Command Prompt  
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN>stsadm -o backup -url http://companyweb -filename d:\companyweb2.bak  
Setting the site collection to be read-only for the duration of the backup. If the operation is interrupted, make sure to check the site lock for this site collection. For more information see stsadm.exe -help getsitelock and stsadm.exe -help setsitelock.  
Operation completed successfully.  
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN>
```

Don't forget when you use this command it will lock the site while completing the backup. This may interrupt users so probably best to schedule this out of production hours. Also keep in mind the time to complete both of these commands depends on the amount of data in your Companyweb site.

You should now have two backup files, companyweb.bak and companyweb2.bak in the \bin directory.

The reason this is recommended is simply that it is always good to have another backup and secondly this backup allows you to totally overwrite an existing site where as the previous export command combines sites. So, if you do both you have more options which is what you want.

These commands are unfortunately going to do you no good unless you know how to use them to restore a site so it is strongly recommend you do a restore of both methods to a test server (on virtual machine works well) if you have never done that before.

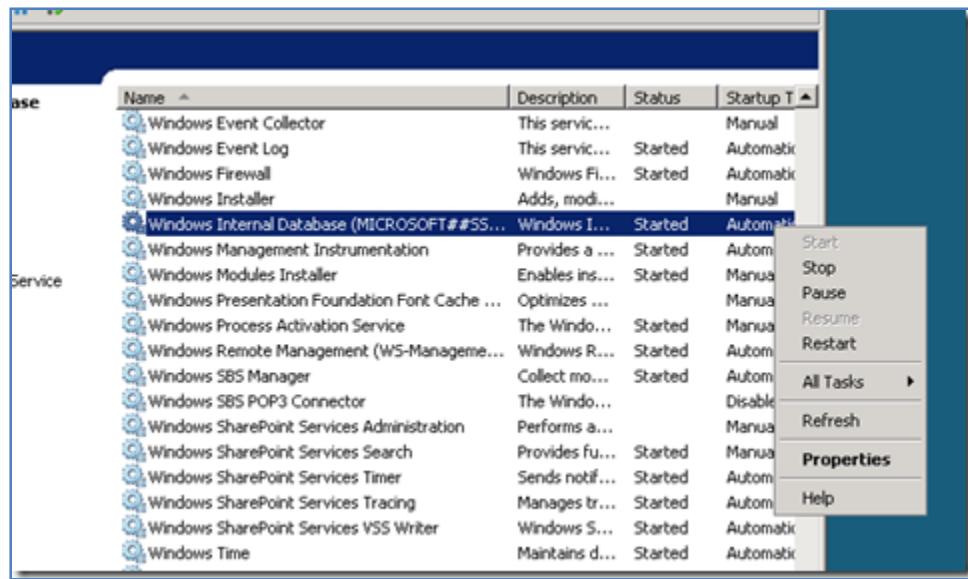
Step 4: Back up the Windows Internal Database files

So now the SharePoint content databases need to be backed up. SharePoint uses SQL to store just about all its content so having a copy of these databases is always handy.

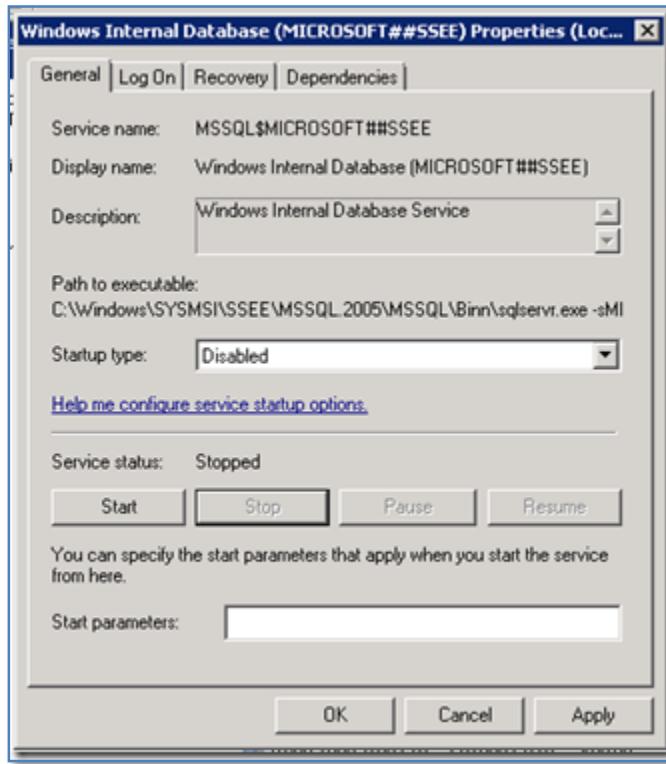
Go to the **Services** from the *Administration Tools* on the SBS 2008 server.

Scroll down the list of services until you locate *Windows Internal Database* as shown below.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

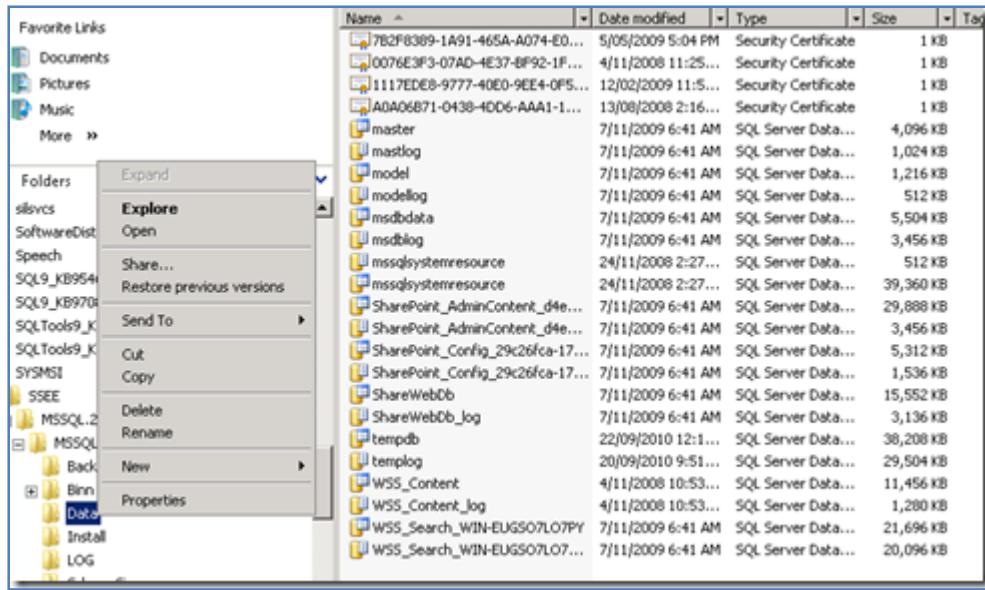


Right mouse click on this service and select **Properties**.



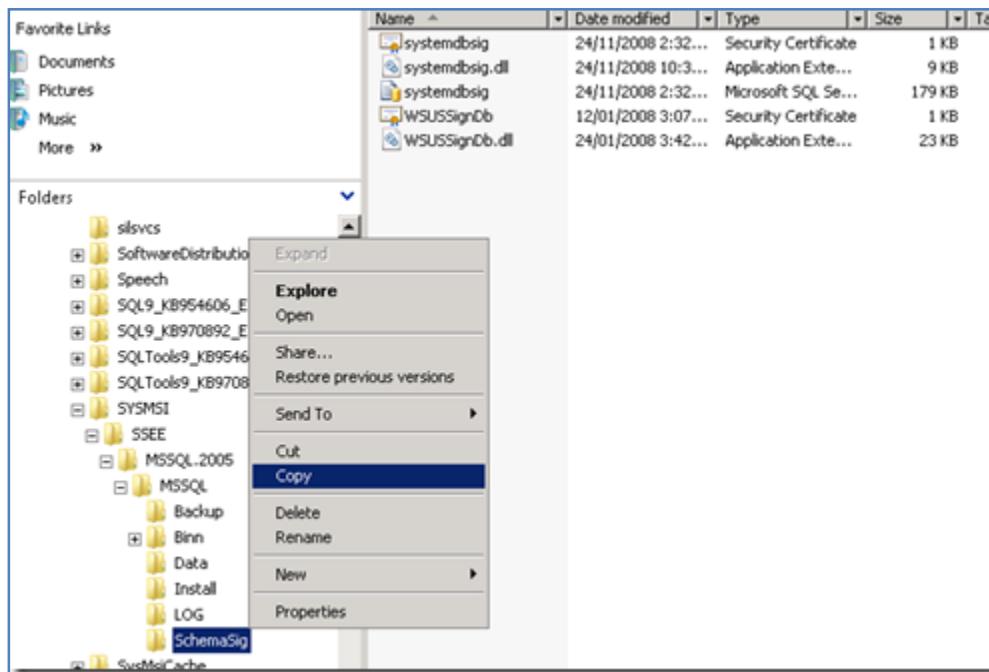
Set the **Startup Type** to **Disabled** and press the **Stop** button to stop the service. Then press **OK**. The reason for doing this is to ensure that the service doesn't accidentally start while you are attempting to backup the databases, which may take some time if they are large.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Now run the file manager and locate the directory in which the SharePoint databases are located. This will usually be `c:\windows\sysmsi\ssee\mssql.2005\mssql\data`. If you have used the wizard to move the databases they will be in same directory structure but in the drive letter you moved them to.

Microsoft indicates which databases to copy but it is probably just as easy to copy the whole \data directory out.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Aside from the SharePoint databases Microsoft recommends copying out the information in the \schemasig directory as well as the WSUS databases (in C:\WSUS\SUSDB\UpdateServicesDbFiles\ usually). Beware that your WSUS databases could also be very large and may take quite a while to copy.

Once you have done this you go back to the *Services* console and set the *Windows Internal Database* to **start automatically** and then **start** the service.

It would seem that by doing the above steps you are ensuring that if the default installation of SQL 2005 Embedded Edition becomes corrupt you can recover, because don't forget that SQL 2005 Embedded Edition is not only used for SharePoint so if there are problems it will affect other applications (most likely WSUS).

You've now backed up everything and you're ready to begin the process of removing Windows SharePoint Services v3 from SBS 2008 in preparation for installing SharePoint Foundation 2010 instead.

Step 5: Uninstall Windows SharePoint Services 3.0 and edit the Registry

You need to firstly download the SharePoint Foundation 2010 installation file from <http://go.microsoft.com/fwlink/?LinkId=191959>. The size is about 170MB so make sure you get the complete copy.

Download the file to your SBS 2008 and run it. After expanding some files you should be greeted by the following splash screen.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



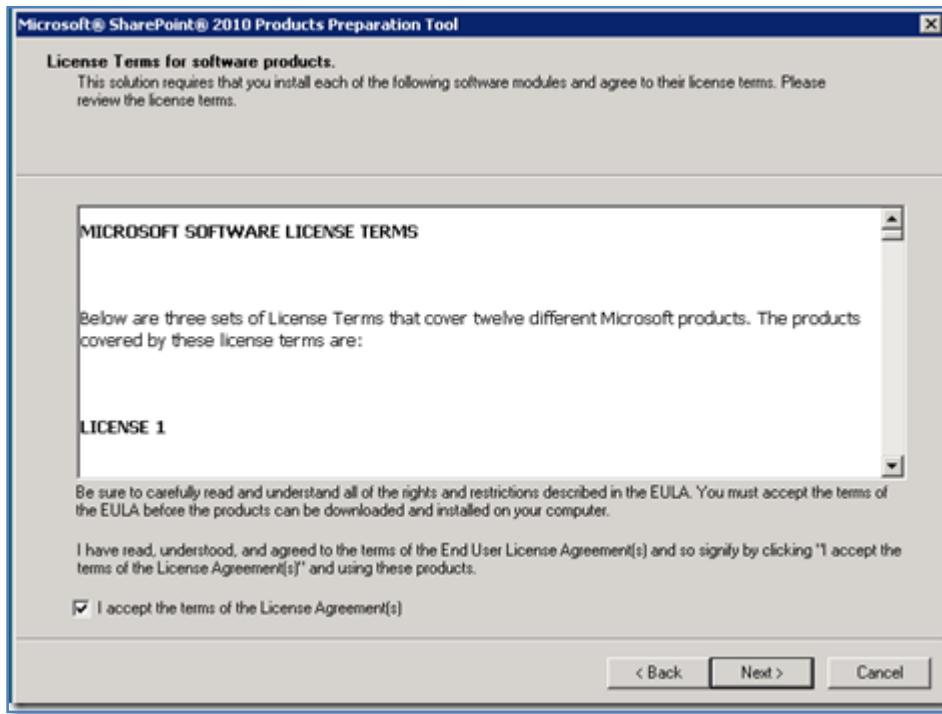
Select the option **Install software prerequisites** under the *Install* section.



You will then be greeted with a complete list of software that needs to be installed on your server prior to SharePoint 2010 being installed.

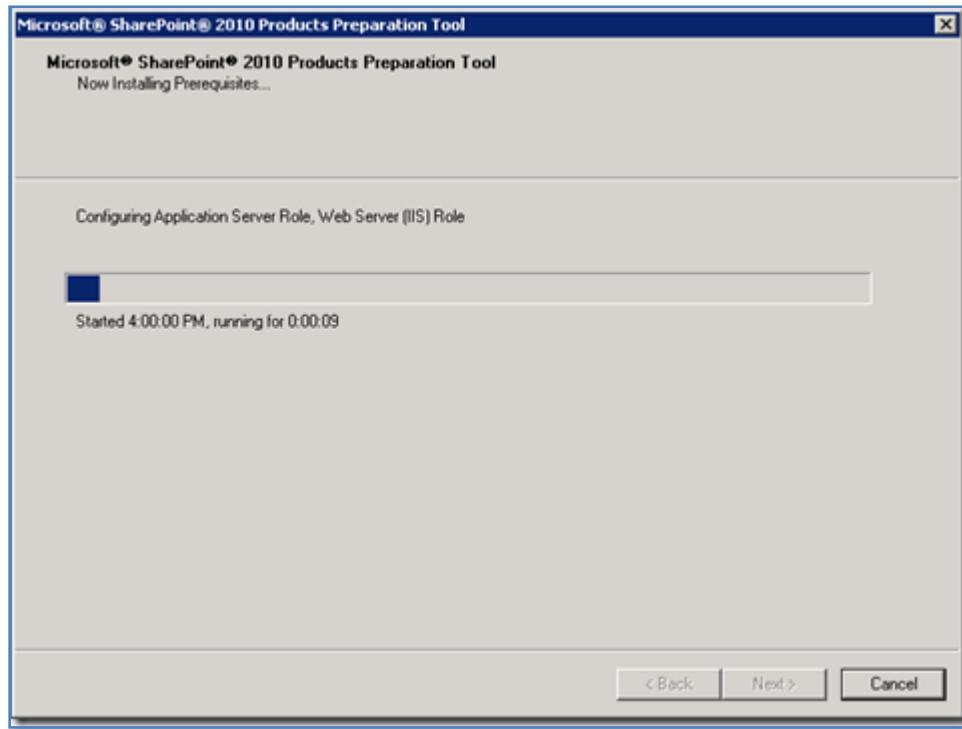
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Press the **Next** button to continue.

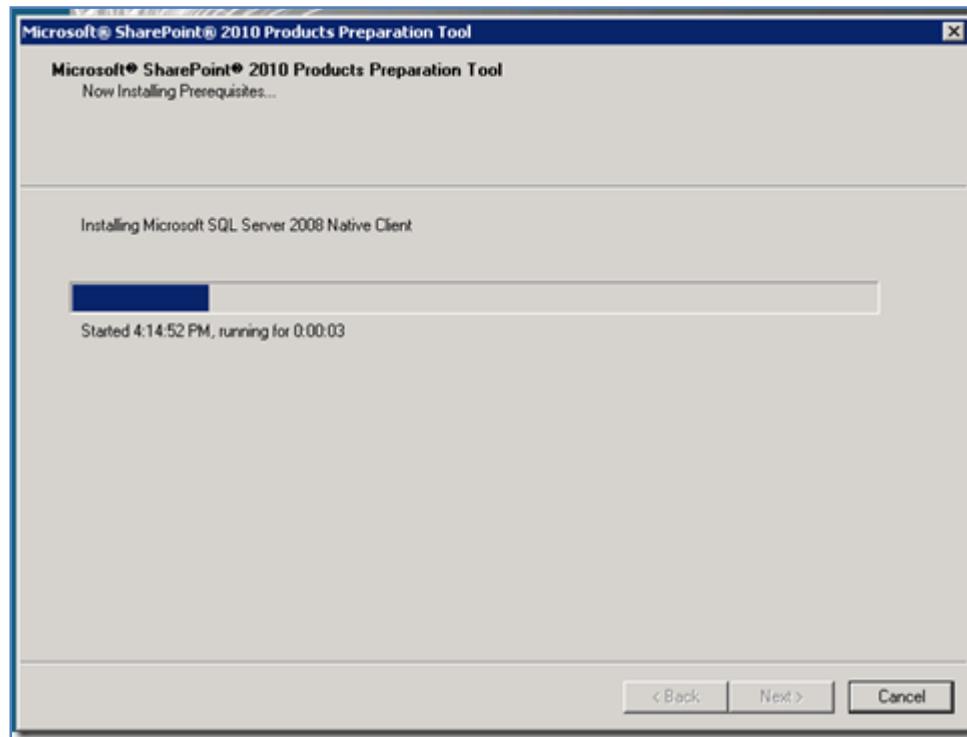


Accept the EULA by placing a check in the box *I accept the terms of the license agreement* and press the **Next** button to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

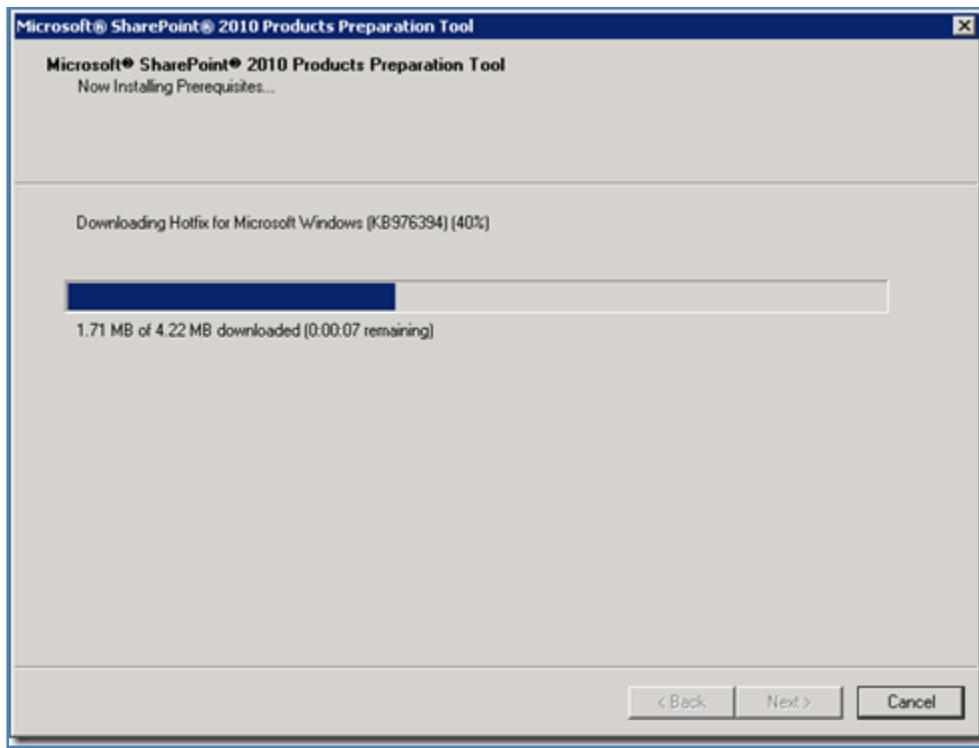


The first step will be the automatic configuration of the IIS server. This process may take a few minutes so be patient.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Once that is complete you should see the required software being downloaded and installed on your system.

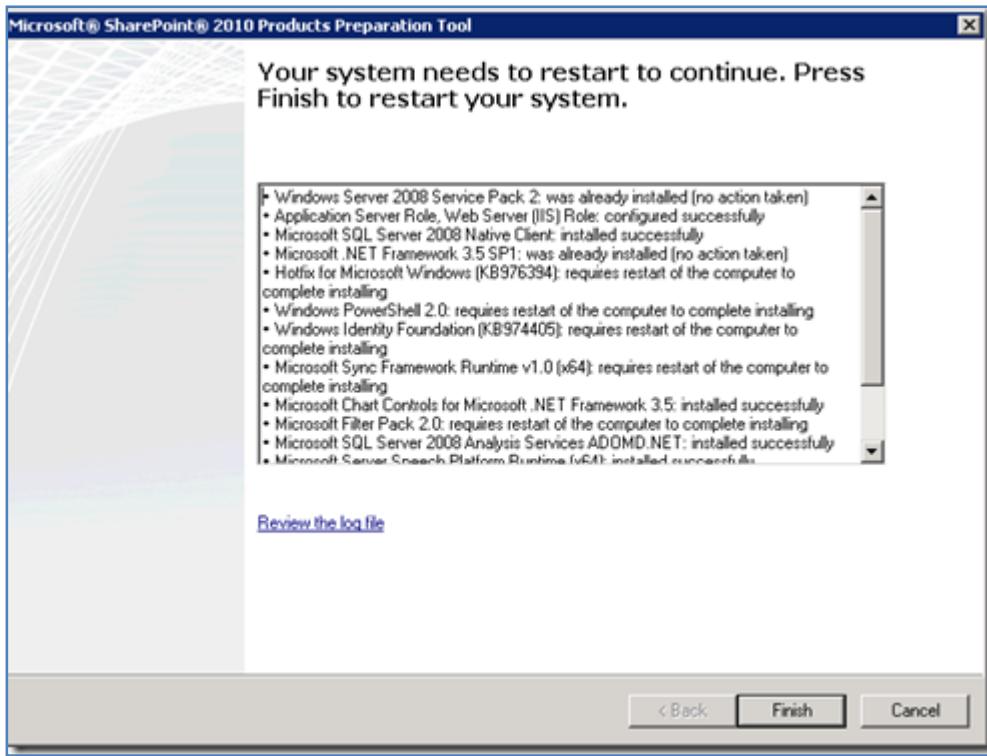


You should also see a number of updates being downloaded and installed. This is going to most likely mean a reboot once this process is complete.



So you may want to keep an eye on the process and delay the pending reboot until the prerequisite installation process is complete.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

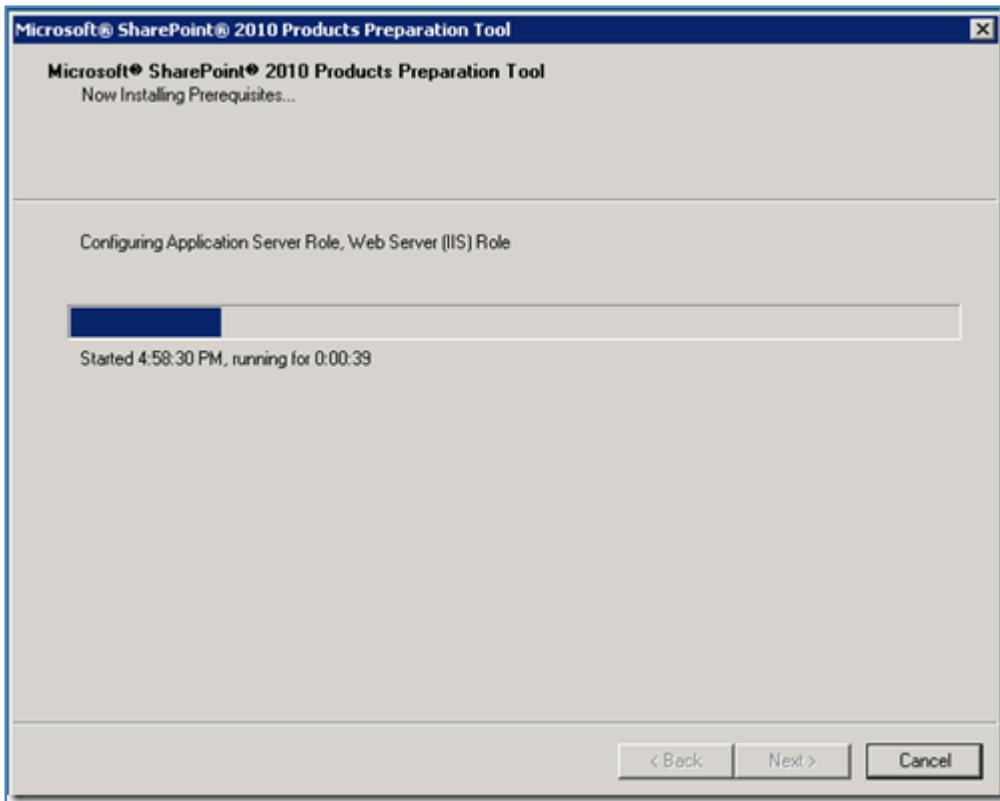


When the process is complete you should see the above windows. Beware, if your machine needs a reboot and you press the **Finish** button your SBS 2008 will automatically recommence a reboot.

Even if the server doesn't need to reboot it, it is best to complete one anyway just to ensure everything comes up cleanly.

Most likely, after the reboot, the SharePoint Foundation 2010 installation will re-launch and start configuring the Web Server again.

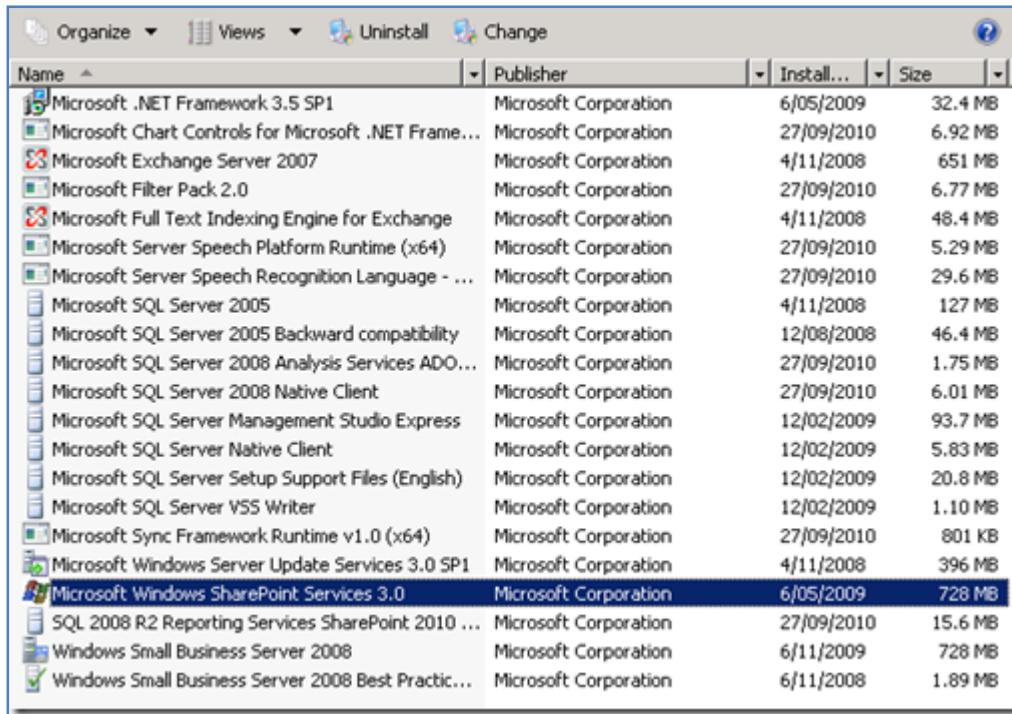
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Let the process complete (it may take several minutes).

Log back into your SBS 2008 server and select **Control Panel** and the **Programs and Features**.

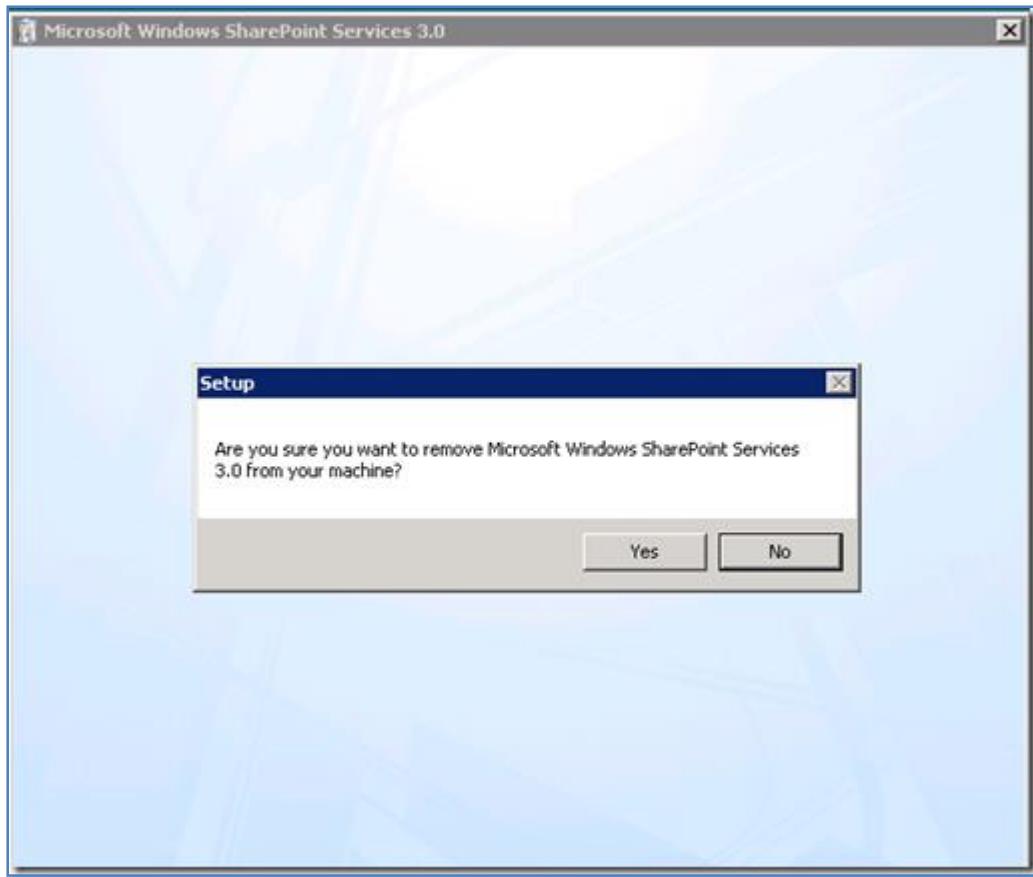
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



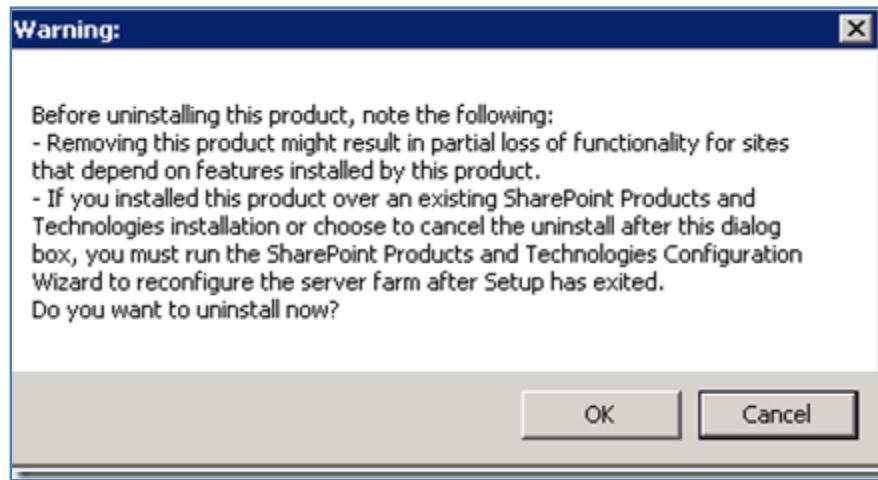
Select **Microsoft Windows SharePoint Services 3.0** from the list of installed programs and then select **Uninstall** from the top.

Accept the UAC.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

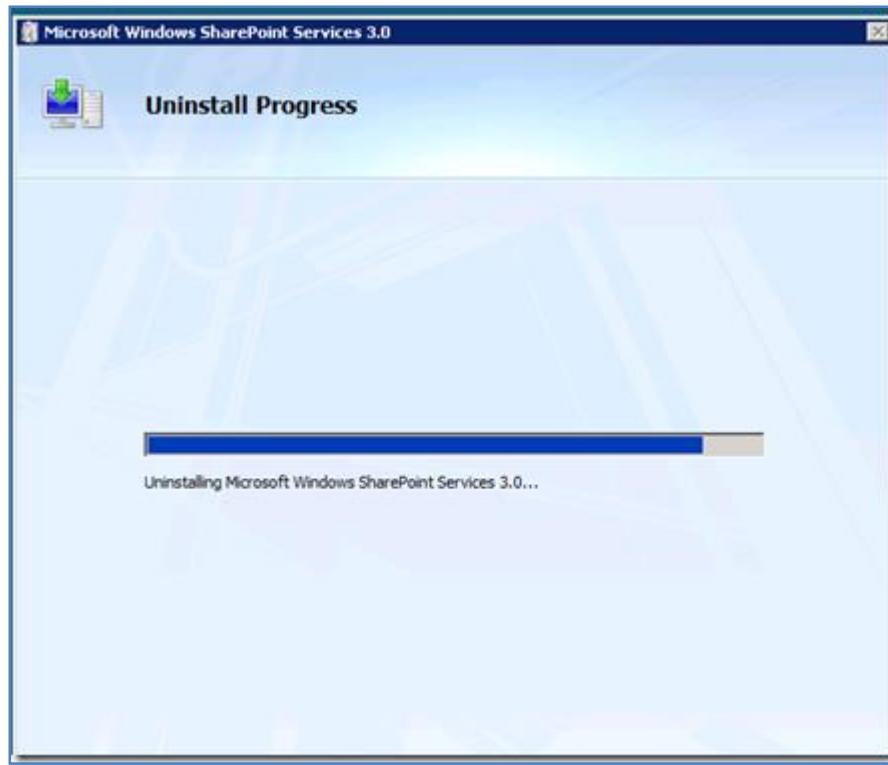


Press the **Yes** button.



You receive a final warning. Press **OK** to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



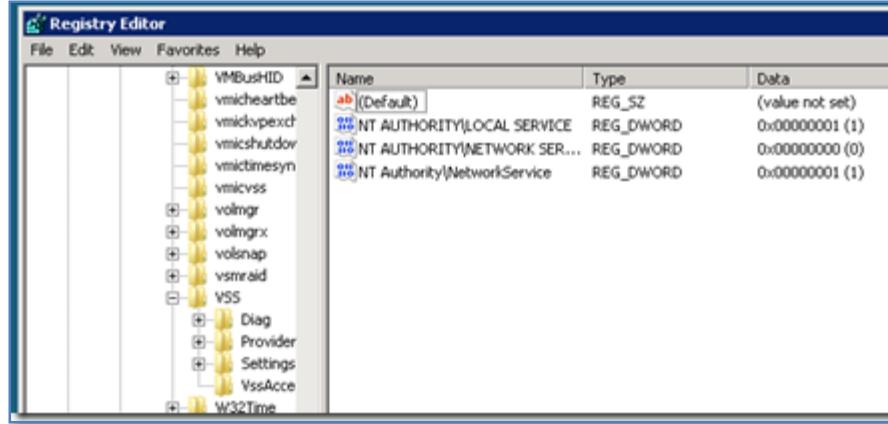
Windows SharePoint Services v3 is now uninstalled from your SBS 2008 server.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Press the **Close** button.

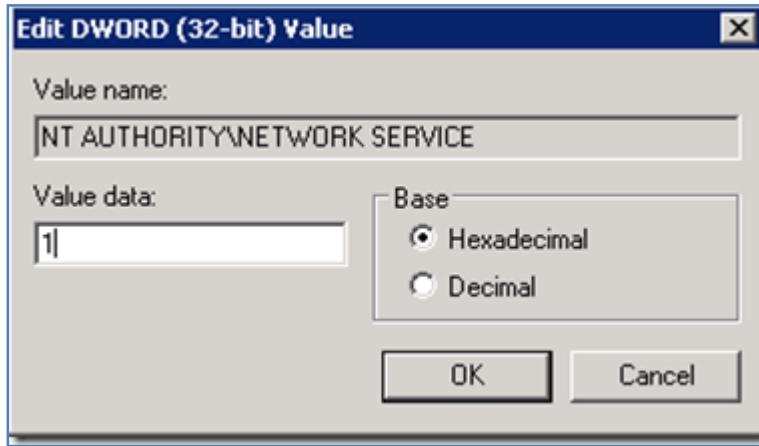
Run **regedit** and accept the UAC presented. Navigate to the registry key **HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VSS\VssAccessControl**.



The Microsoft documentation says:

4. Double-click **NETWORK SERVICE**, and then, in **Value data**, type 1.

In this situation, shown above, there is a **NETWORK SERVICE** and a **NetworkService** entry but the **NETWORK SERVICE** is not set to 1. So double click on the second entry and changed the value to 1 and selected **OK** and exit regedit.



Step 6 - Install Microsoft SharePoint Foundation 2010 in Farm mode

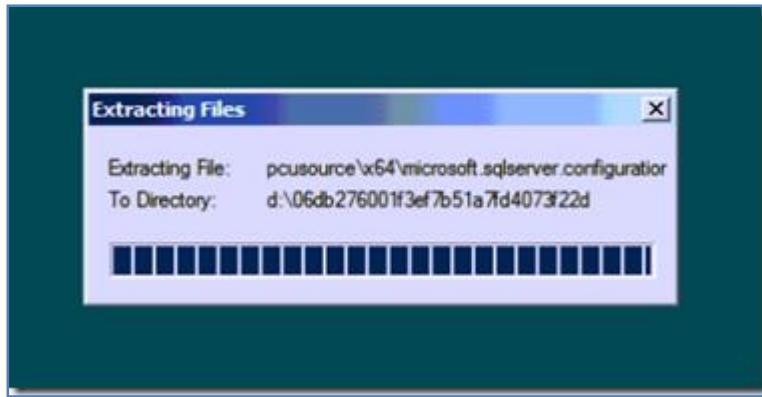
This step commences by instructing you to download SQL Express 2008 SP1 from:

<http://go.microsoft.com/fwlink/?LinkId=186795>

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

(*Authors note – installing SQL Express 2008 R2 is a better option here).

After download SQL Express 2008 run the file as an administrator. The installation files will be expanded to your hard disk.

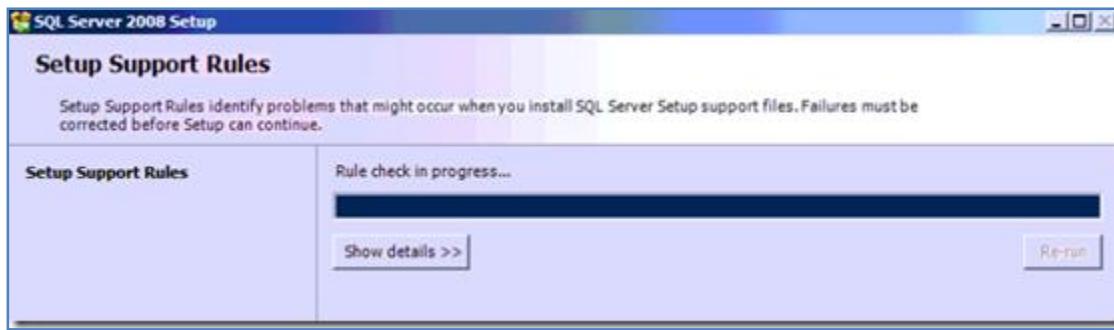


When the SQL installation splash screen appears select the **Installation** option from the left hand menu (under *Planning*). Then select **New SQL standalone installation or add features to an existing installation** on the right (top option).



The installation will commence and some prerequisite files will be installed.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Next you move through the licensing screen. Press **Next** to continue.



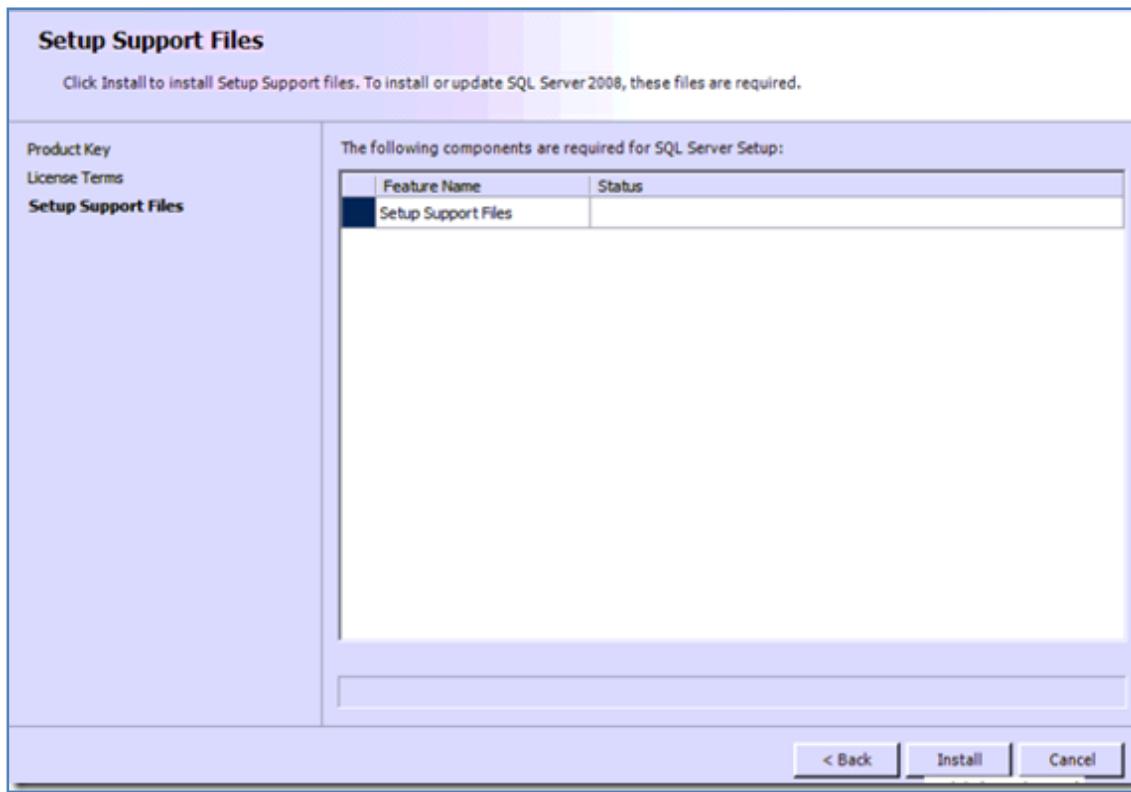
Next, accept the EULA by checking the option *I accept the license terms*.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

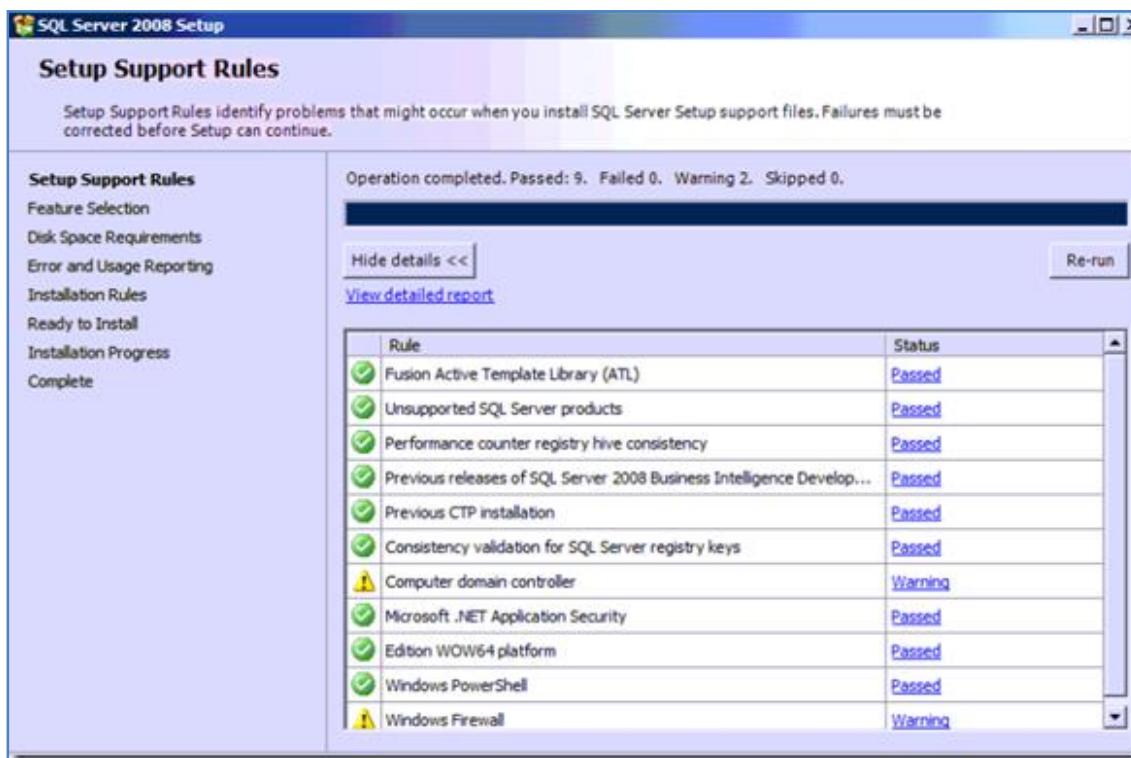


Now some support files will be installed. This is basically the SP1 files that allow SQL 2008 to run on Windows Server 2008.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

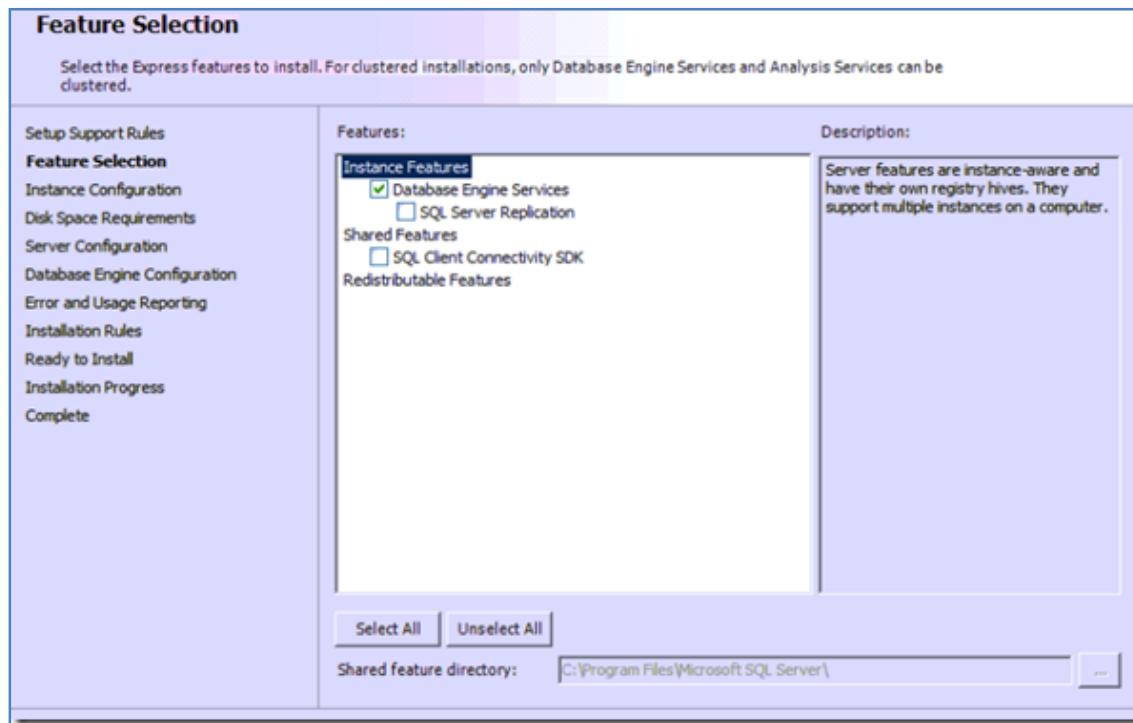


Press the **Install** button to continue. You should then see a summary like so,



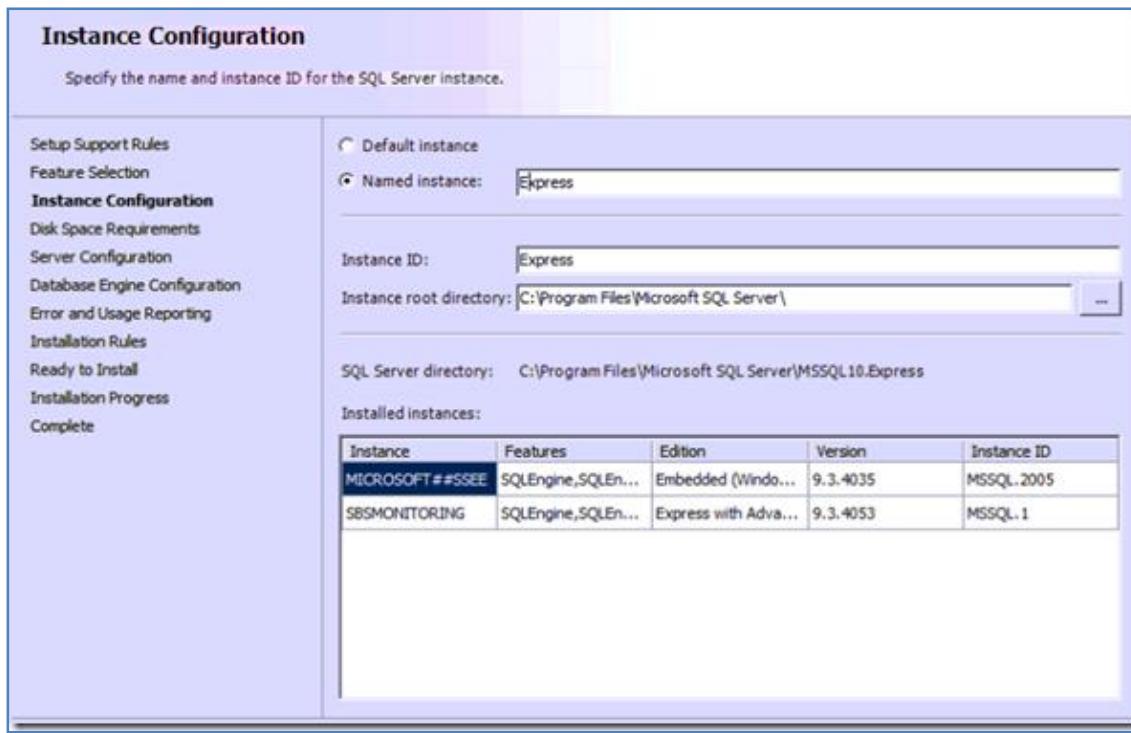
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Note any warnings shown, but these should only be warnings so continue along.



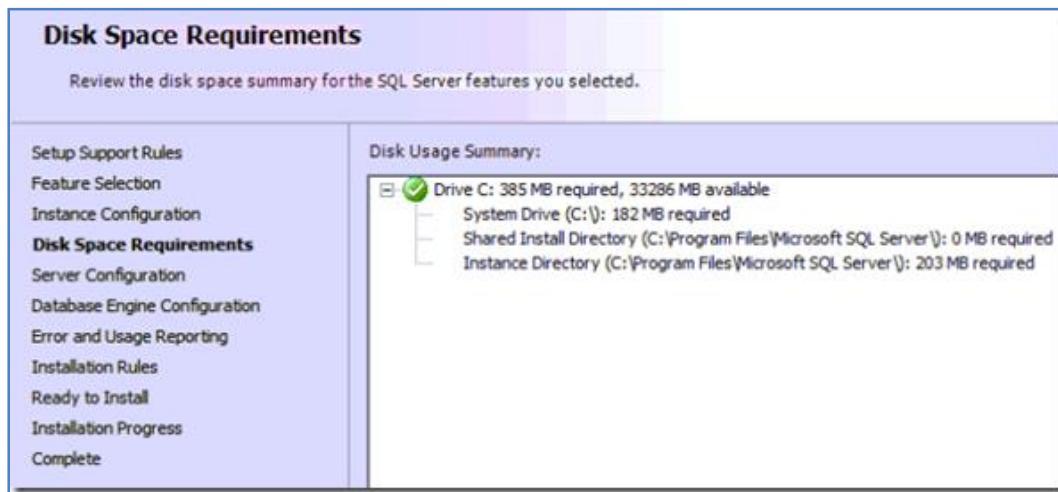
Select **Database Engine** at a minimum. If you are installing a package that includes the *Management Studio* there will be option here that you should check to install that.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



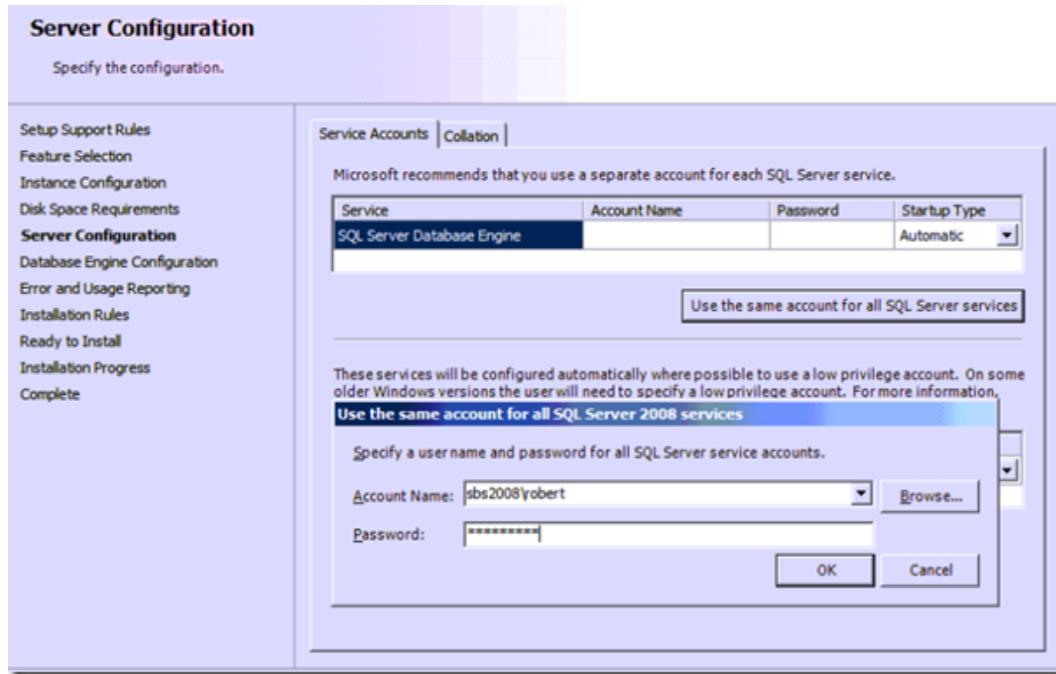
Now you need to name your SQL instance. The Microsoft document says that you should call it *Express*, even though it is normally set to *SQLEXPRESS* by default. So strictly speaking you need to go in there and change it. Microsoft's thinking was probably to try and avoid clashing with another potential SQL instance called *SQLEXPRESS* already on the box.

Anyway, whatever you call your SQL instance make sure you remember what it is called.

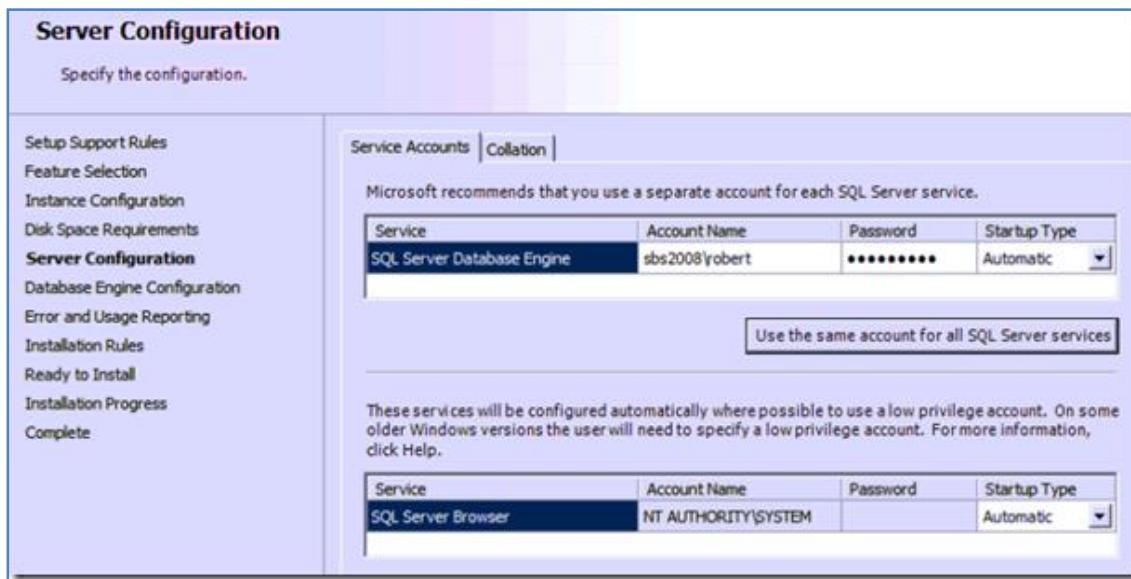


Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

If there is enough disk space for the install you should see a green tick and be able to continue.

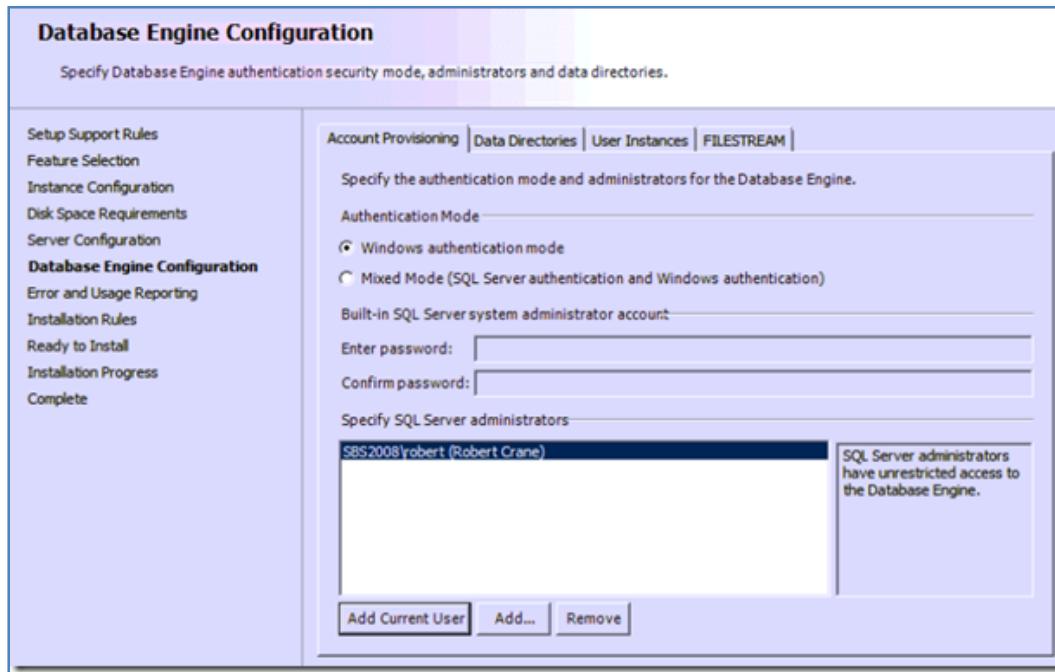


Here is where you set the service account for your instance. The Microsoft document warns you that it needs to be running as a domain account. There are all sorts of security and least privilege arguments that can be made here but we are focusing on the process here so press **OK** the button Use the same account for all SQL Server services and enter a ‘suitable’ account.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You should see the top row completed with account you just entered. **Continue** on.

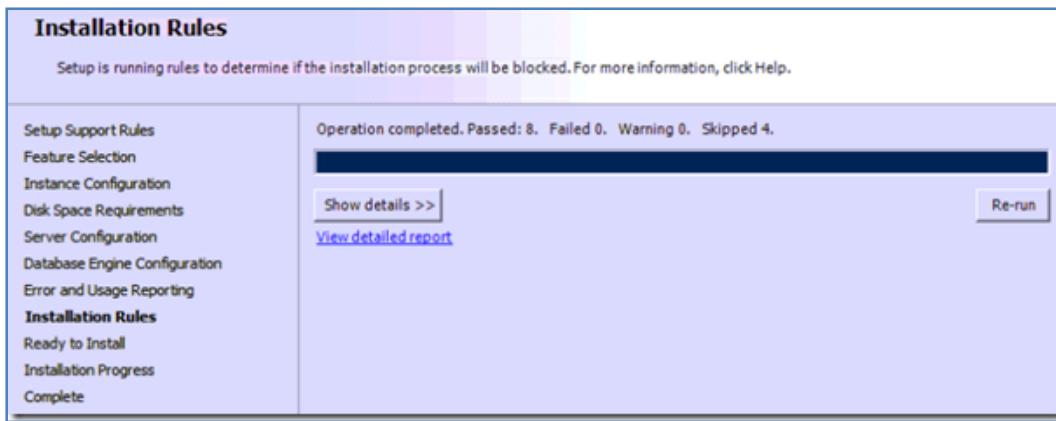


Leave the *Authentication mode* set to *Windows authentication* but press the button at **Add Current User** (normally a domain admin account) as an SQL Server administrator.

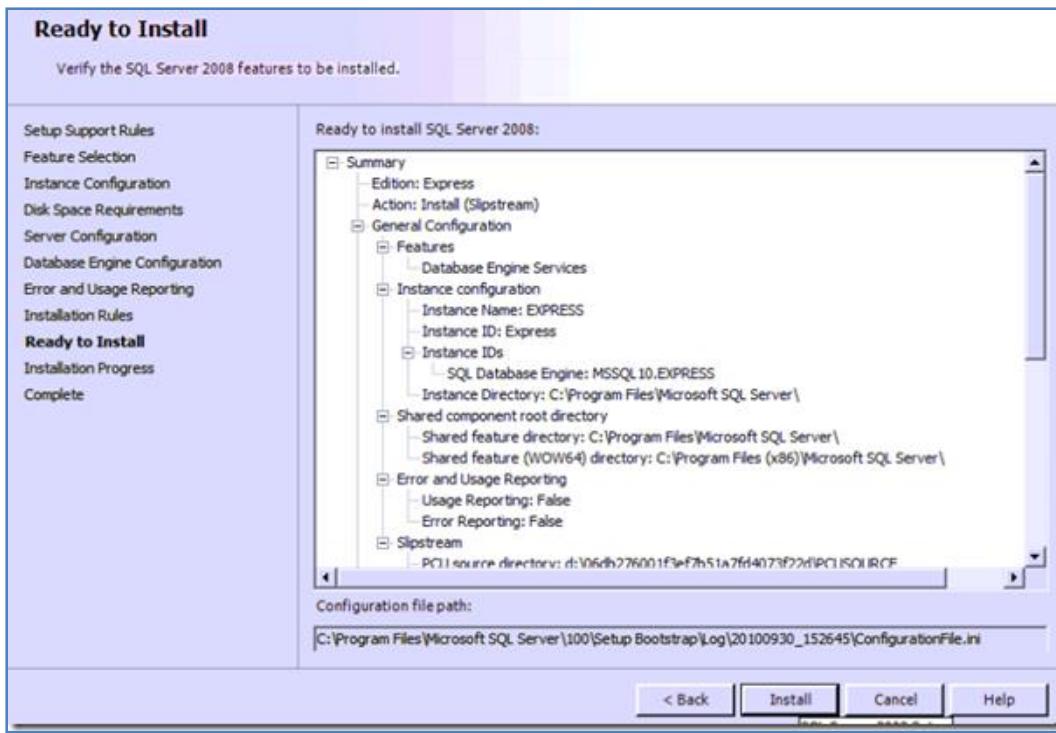


Leave both of these options unchecked and continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

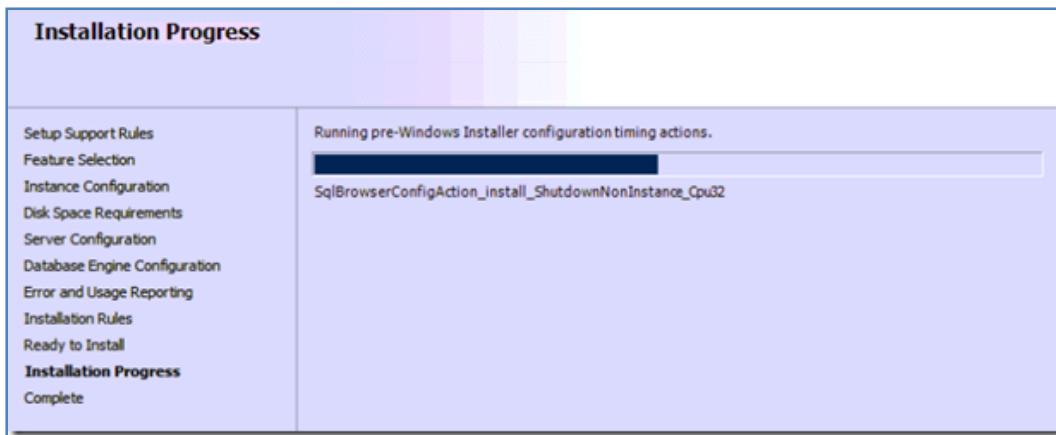


The process runs a few more checks and lets you know if there are any problems. If not, then continue.

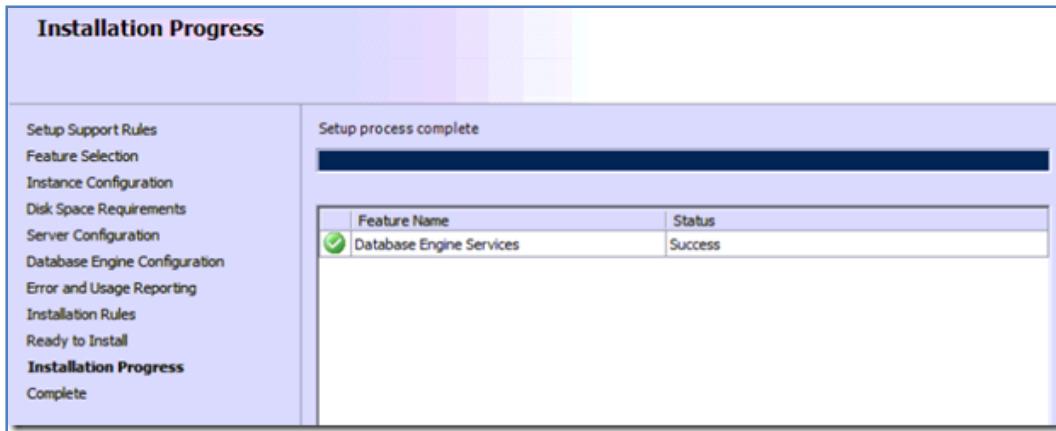


One last summary screen is displayed. Press **Install**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

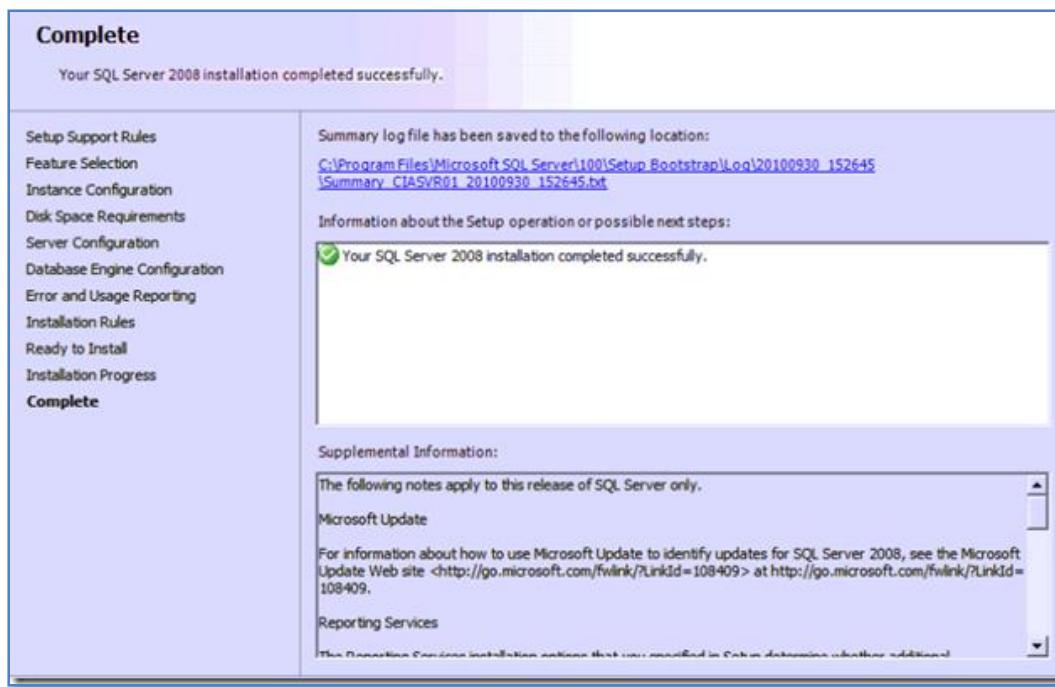


Files get copied to your system and configured using the options you just selected. This installation process may take a while (several minutes) depending on the speed of your machine.



When the installation is a success, continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

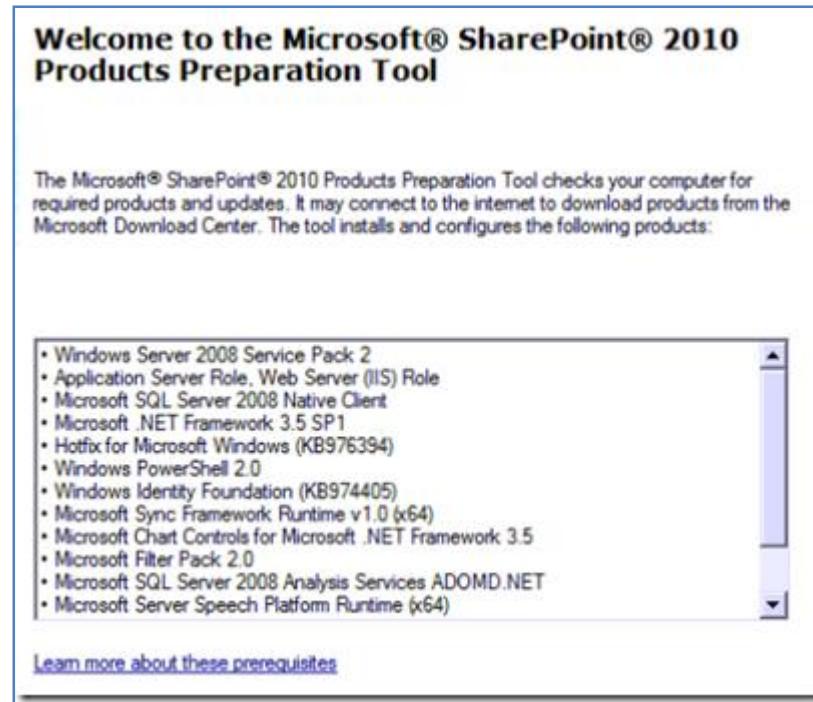


SQL Express 2008 is now on our SBS 2008 system. Now to install SharePoint Foundation Server 2010.

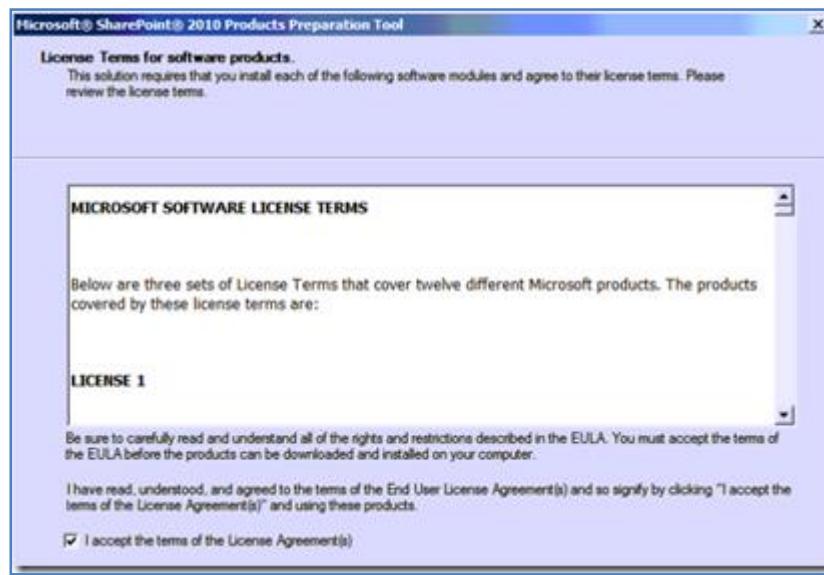


Run the SharePoint Foundation 2010 installation program again (you downloaded this in a previous step) and select option to **Install software prerequisites**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

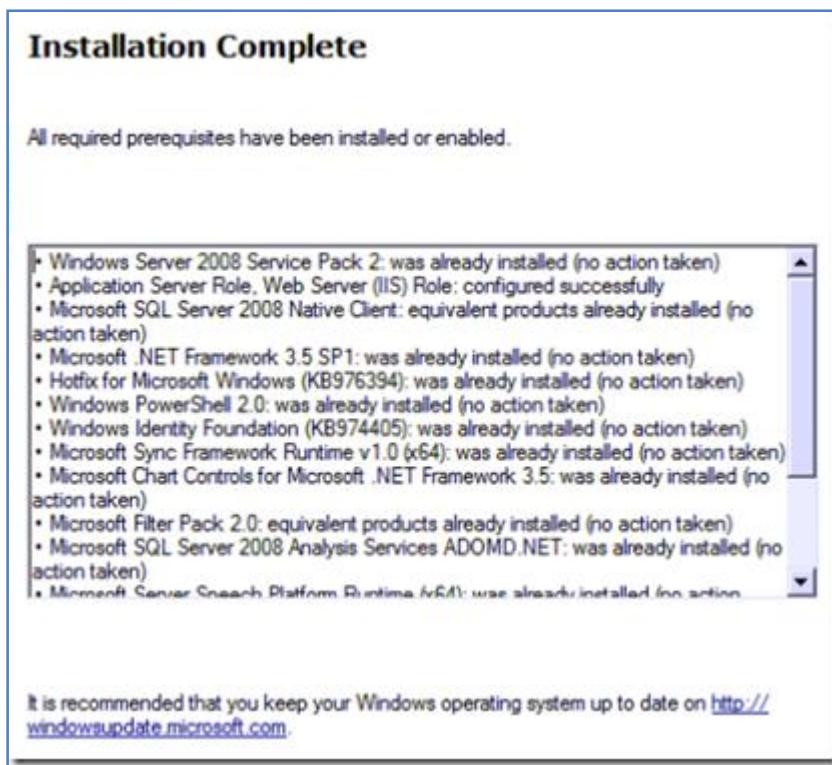


Even though this has been run before it should be run again to ensure everything required for SharePoint Foundation 2010 is on your system.



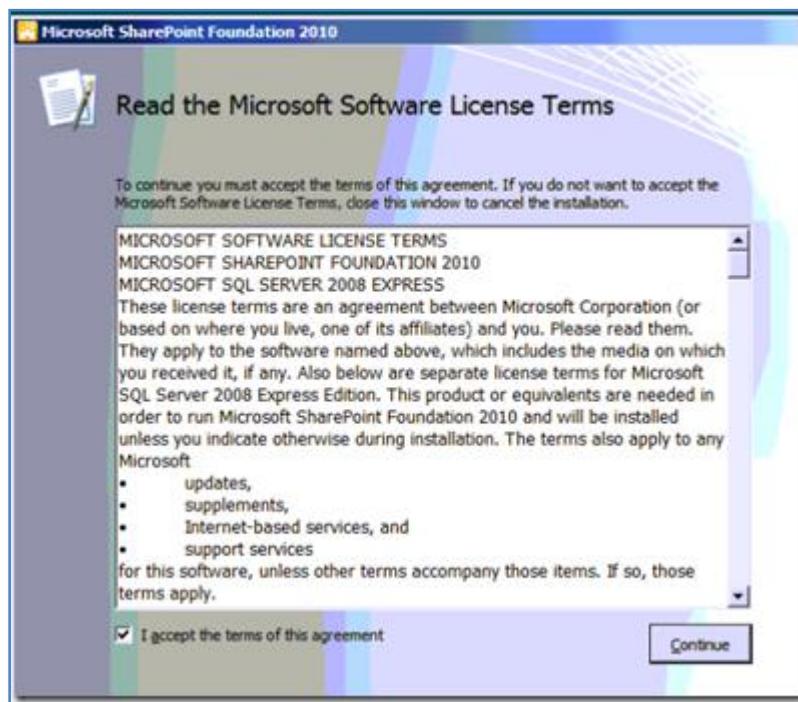
Accept the terms of the license and continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



If everything is on the system as it should be you should get the all clear very quickly.

After returning to the splash screen select **Install SharePoint Foundation**.

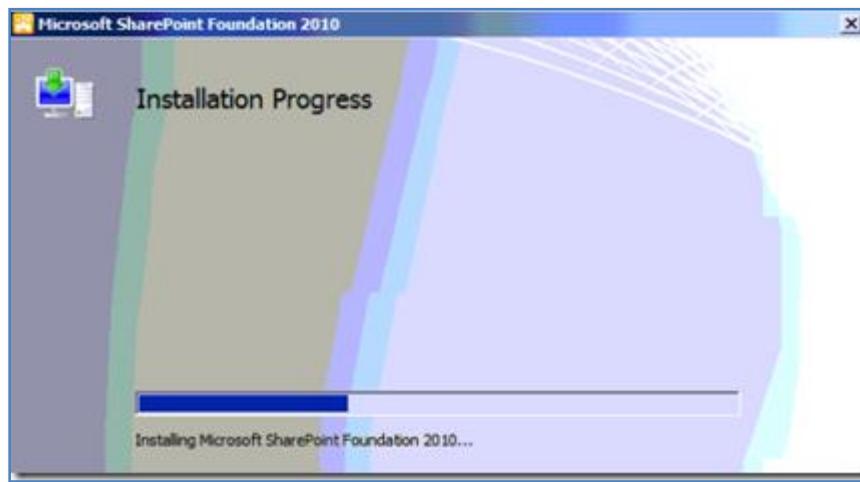


Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

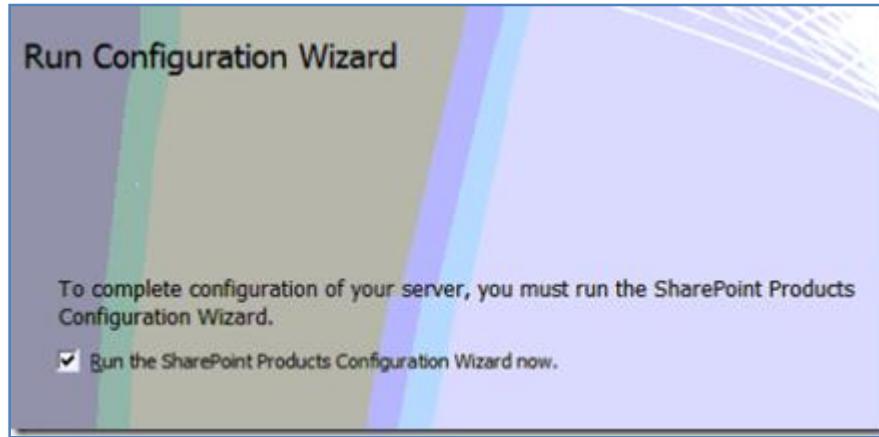
Accept the license agreement for SharePoint Foundation 2010 and press the **Continue** button.



Determine where the installation will go. By default this will be C: drive.



Now you should see the bar move across the screen as SharePoint Foundation 2010 is installed.

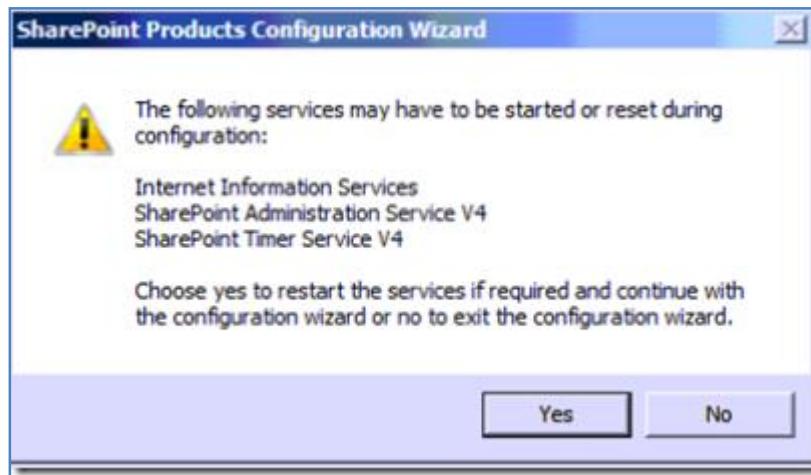


Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Leave the *Run the SharePoint Configuration Wizard now* checked and **continue**.



You are now asked to complete the installation of SharePoint Foundation 2010 on your SBS 2008 server. Press the **Continue** button.



Your IIS and SharePoint services will be shut down during this wizard configuration. Don't forget that IIS is used for a number of other things that may interrupt users. Press the **Continue** button.



Select **Create a new server farm** as there is not yet any SharePoint on this server.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Now here's where you need to connect to the SQL instance you created earlier. In the case of this Microsoft document the instance is will be EXPRESS or more correctly <SERVER_NAME>\EXPRESS.

Complete all the details including the user name with the domain prefix (i.e. <DOMAIN>\<USER>) and **Continue**. Typically you use the same account which you are installing the product with and made an SQL administrator earlier.

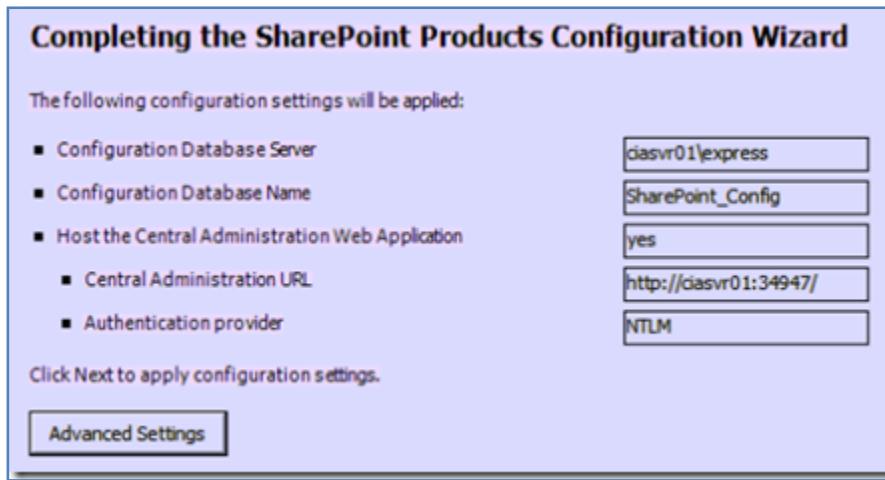


Enter a complex password for securing SharePoint configuration. You'd need this if you ever expand beyond a single SharePoint server (which you can do).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



You can specify the port at which the SharePoint Central Administration web site appears if you want (say port 5555) but generally you leave this unchanged. Also leave the authentication set to NTLM and continue.



A final summary screen is displayed. Press **Continue**.

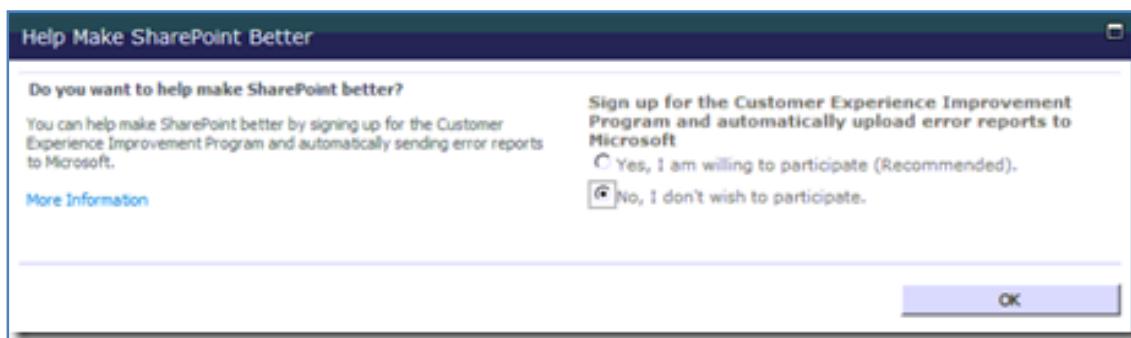


The wizard will now complete its 10 steps.

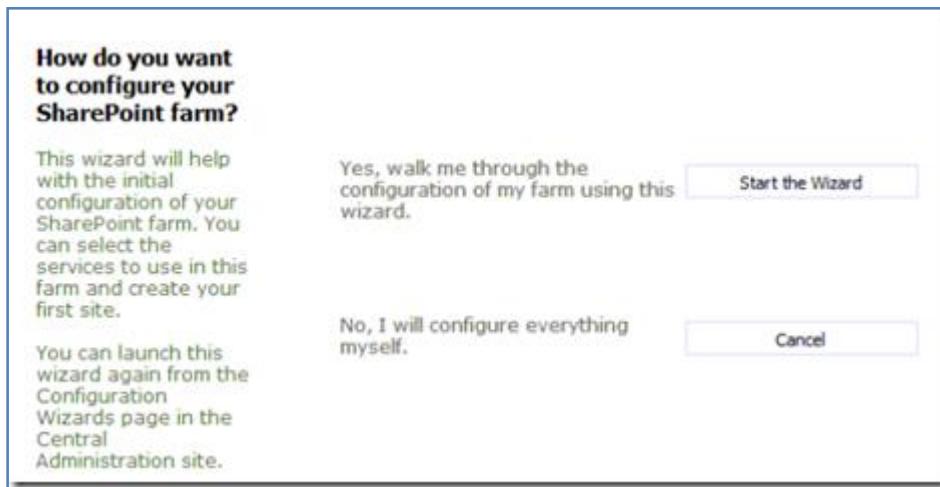
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



At the end you will hopefully get a successful configuration. After you press **Finish** and a browser will now open.

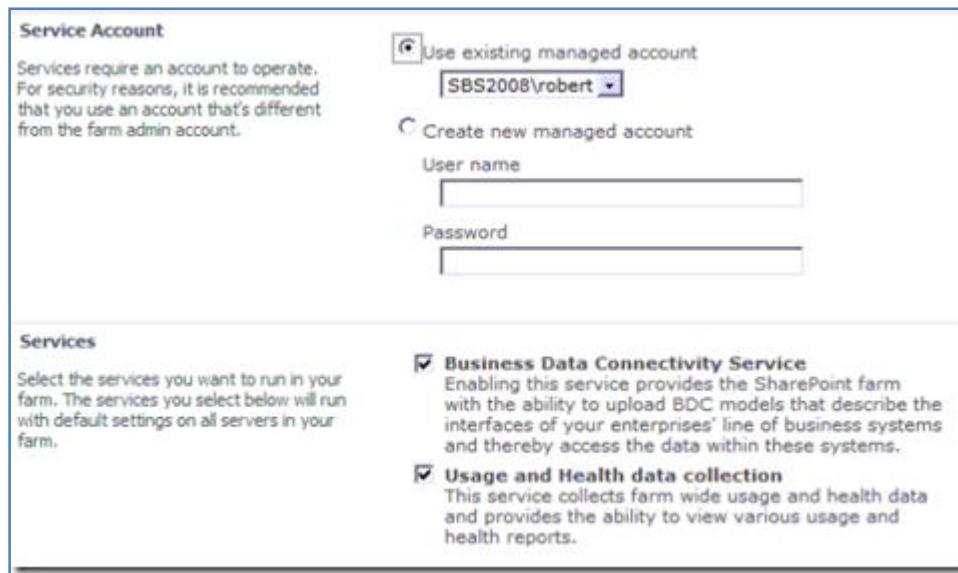


Select whether you wish to participate in the Customer Experience and press **OK**.

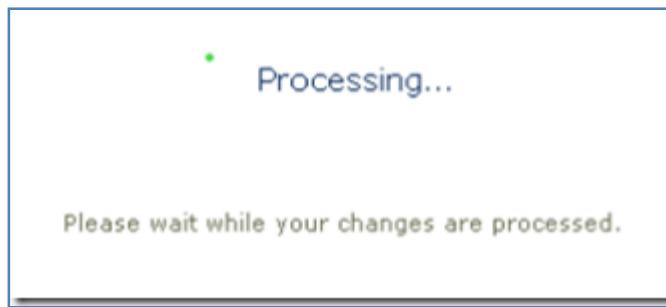


Click the **Start the Wizard** button.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Select a service account for SharePoint. Again, don't forget to consider security here. Leave the bottom two services checked and press **Continue**.



The setup will now be configured and you will see a processing screen. This length of this process will depend on your machine.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Title and Description

Type a title and description for your new site. The title will be displayed on each page in the site.

Title: Site

Description:

Web Site Address

Specify the URL name and URL path to create a new site, or choose to create a site at a specific path.

To add a new URL Path go to the [Define Managed Paths](#) page.

URL: <http://ciasvr01/>

Give the new SharePoint site a name. It doesn't really matter as you are going to delete it later.

Template Selection

A site template determines what lists and features will be available on your new site. Select a site template based on the descriptions of each template and how you intend to use the new site. Many aspects of a site can be customized after creation. However, the site template cannot be changed once the site is created.

Select a template:

Collaboration [Meetings](#) [Custom](#)

Team Site
Blank Site
Document Workspace
Blog
Group Work Site

A site for teams to quickly organize, author, and share information. It provides a document library, and lists for managing announcements, calendar items, tasks, and discussions.

Select a Team Site.

This completes the Farm Configuration Wizard.

Details of this SharePoint farm:

Site Title: Site
Site URL: <http://ciasvr01>

Service Applications:

- Security Token Service Application
- Application Discovery and Load Balancer Service Application
- Usage and Health Data Collection Service Application
- Business Data Connectivity Service Application

Click Finish to continue to the SharePoint Central Administration page where you can continue configuring other settings for your farm.

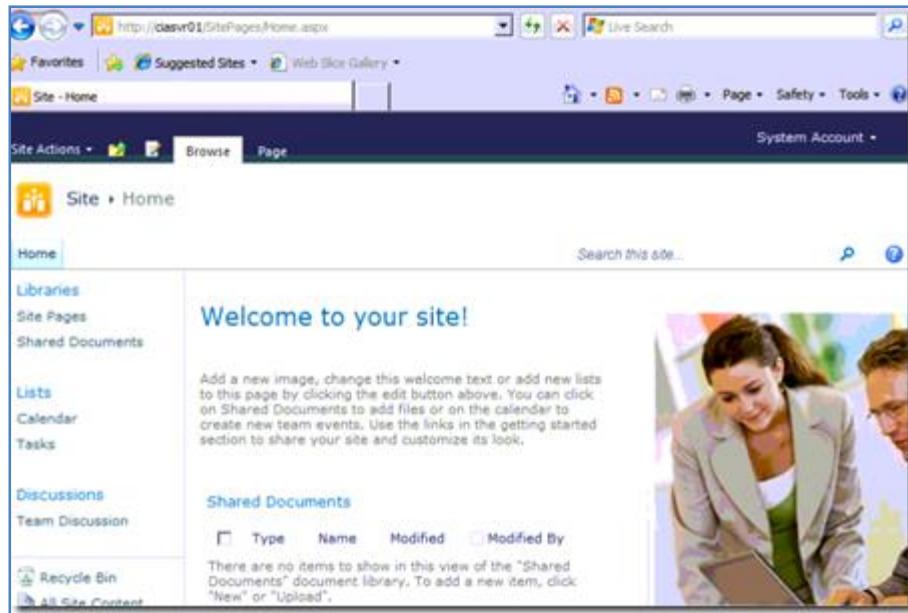
To return to this wizard, or access additionally installed wizards, click 'Configuration Wizards' in the left navigation pane.

After some more processing you should see a windows like shown above.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



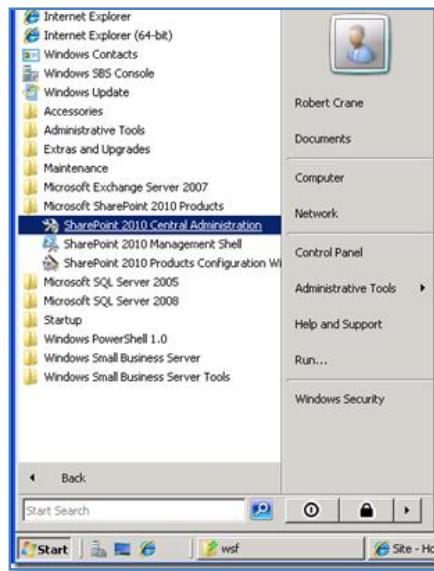
Upon clicking **Finish** you'll be taken to the *SharePoint Central Administration* web site. It should look as shown above.



If you type the name of the server into the URL of your browser you should see a SharePoint Foundation 2010 web site. Note this is not yet Companyweb but at least you know SharePoint 2010 is now working on your SBS 2008 server.

Step 7 - Remove the default Web application in SharePoint Central Administration

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Click **Start | All programs | Microsoft SharePoint 2010 Products | SharePoint 2010 Central Administration**.

Accept the UAC that appears

A screenshot of the SharePoint 2010 Central Administration interface. The left navigation bar is titled "Central Administration" and includes links for Application Management, System Settings, Monitoring, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards. The main content area displays several management sections: Application Management, System Settings, Monitoring, Security, General Application Settings, Backup and Restore, Upgrade and Migration, and Configuration Wizards. A "Resources" section indicates there are currently no favorite links.

From under **Application Management** select **Manage Web applications**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The screenshot shows the SharePoint Central Administration interface under the 'Web Applications' tab. There are two entries listed:

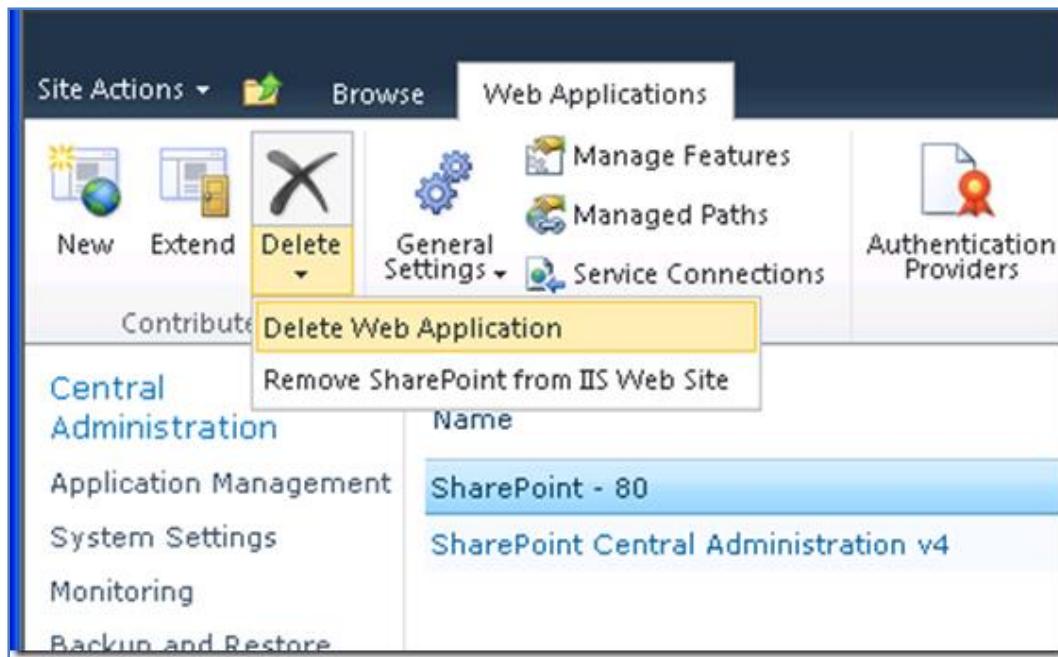
Name	URL	Port
SharePoint - 80	http://ciasvr01/	80
SharePoint Central Administration v4	http://ciasvr01:34947/	34947

Click on the site **SharePoint – 80**.

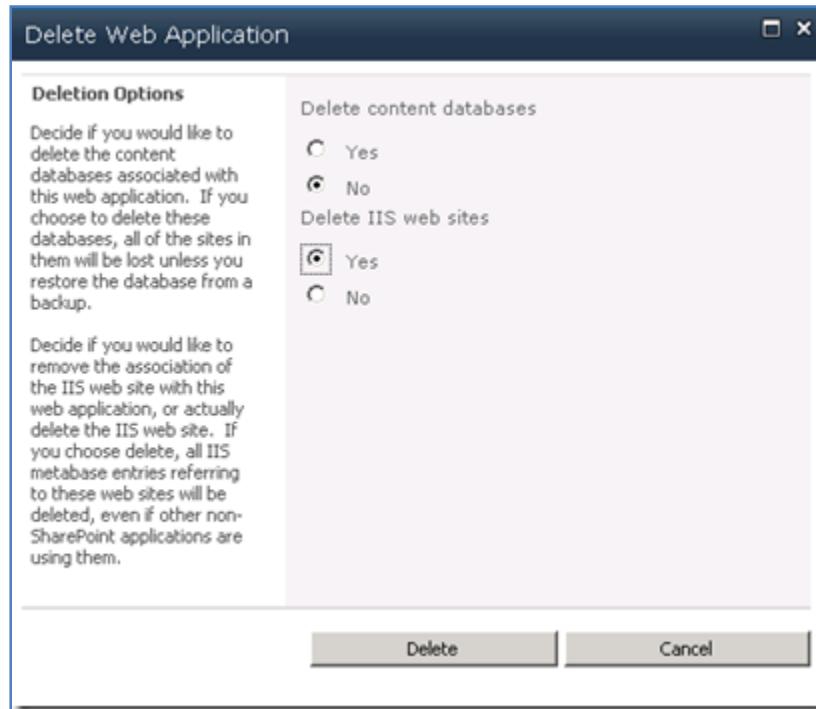
The screenshot shows the same SharePoint Central Administration interface as before, but the 'SharePoint - 80' entry is now highlighted with a blue selection bar.

Select the **pull down arrow** under the *Delete* button on the ribbon.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



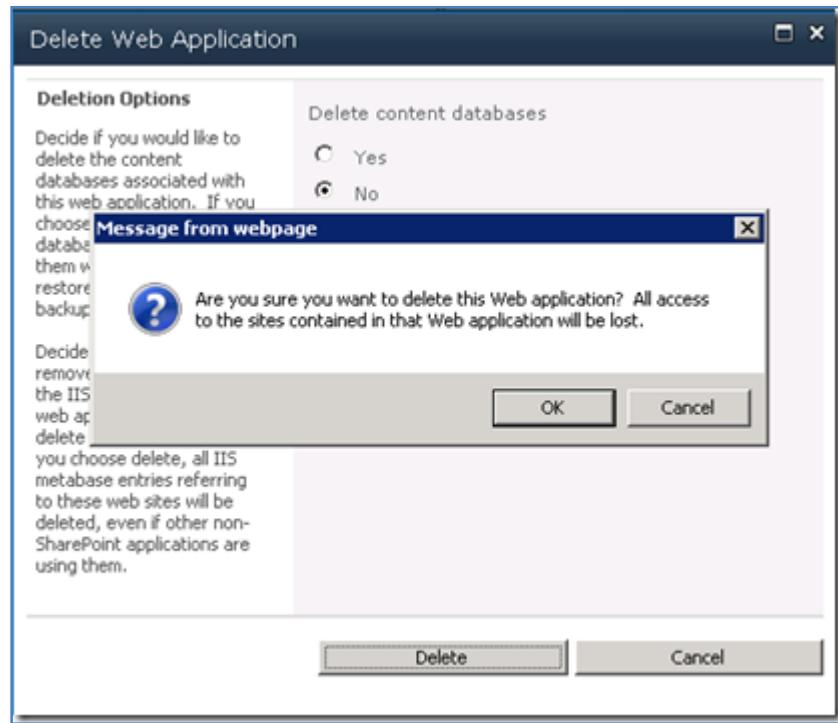
and select **Delete Web Application**



In the dialog that appears select *Delete content databases* = **No** and *Delete IIS Web sites* = **Yes**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Press the **Delete** button to continue.



Click **OK** to confirm.

Name	URL	Port
SharePoint Central Administration v4	http://ciasvr01:34947/	34947

Step 8 - Create a new SharePoint application in SharePoint Central Administration

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Click **Start | All programs | Microsoft SharePoint 2010 Products | SharePoint 2010 Central Administration**.

Accept the UAC that appears.

A screenshot of the SharePoint 2010 Central Administration interface. The left navigation bar is titled 'Central Administration' and includes links for Application Management, System Settings, Monitoring, Backup and Restore, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards. The main content area is titled 'SharePoint 2010 Central Administration'. It features several sections: 'Application Management' (Manage web applications, Create site collections, Manage service applications, Manage content databases), 'Monitoring' (Review problems and solutions, Check job status), 'Security' (Manage the farm administrators group, Configure service accounts), 'General Application Settings' (Configure send to connections), 'System Settings' (Manage servers in this farm, Manage services on server, Manage farm features, Configure alternate access mappings), 'Backup and Restore' (Perform a backup, Restore from a backup, Perform a site collection backup), 'Upgrade and Migration' (Check product and patch installation status, Check upgrade status), and 'Resources' (Add new link). A message in the Resources section states: 'There are currently no favorite links to display. To add a new link, click "Add new link".'

From under **Application Management** select **Manage Web applications**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The screenshot shows the SharePoint Central Administration ribbon with the "Web Applications" tab selected. The ribbon has several tabs: Site Actions, Browse, Web Applications, General Settings, Service Connections, Authentication Providers, Self-Service Site Creation, Blocked File Types, User Permissions, User Policy, Anonymous Policy, and Permission Policy. Below the ribbon is a table listing a single web application entry:

Central Administration	Name	URL	Port
Application Management System Settings Monitoring Backup and Restore Security Upgrade and Migration General Application Settings Configuration Wizards	SharePoint Central Administration v4	http://ciasvr01:34947/	34947

From the ribbon menu select **New** (top left).

The dialog box is titled "Create New Web Application". It contains a warning message: "Warning: this page is not encrypted for secure communication. User names, passwords, and any other information will be sent in clear text. For more information, contact your administrator." At the top right are "OK" and "Cancel" buttons.

Authentication
Select the authentication for this web application.
[Learn about authentication.](#)

Claims Based Authentication
 Classic Mode Authentication

IIS Web Site
Choose between using an existing IIS web site or create a new one to serve the Microsoft SharePoint Foundation application.

If you select an existing IIS web site, that web site must exist on all servers in the farm and have the same name, or this action will not succeed.

If you opt to create a new IIS web site, it will be automatically created on all servers in the farm. If an IIS setting that you wish to change is not shown here, you can use this option to create the basic site, then update it using the standard IIS tools.

Use an existing IIS web site
Default Web Site
 Create a new IIS web site
Name: SBS SharePoint
Port: 80
Host Header:
Path: C:\Program Files\Windows Small Business

Security Configuration

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

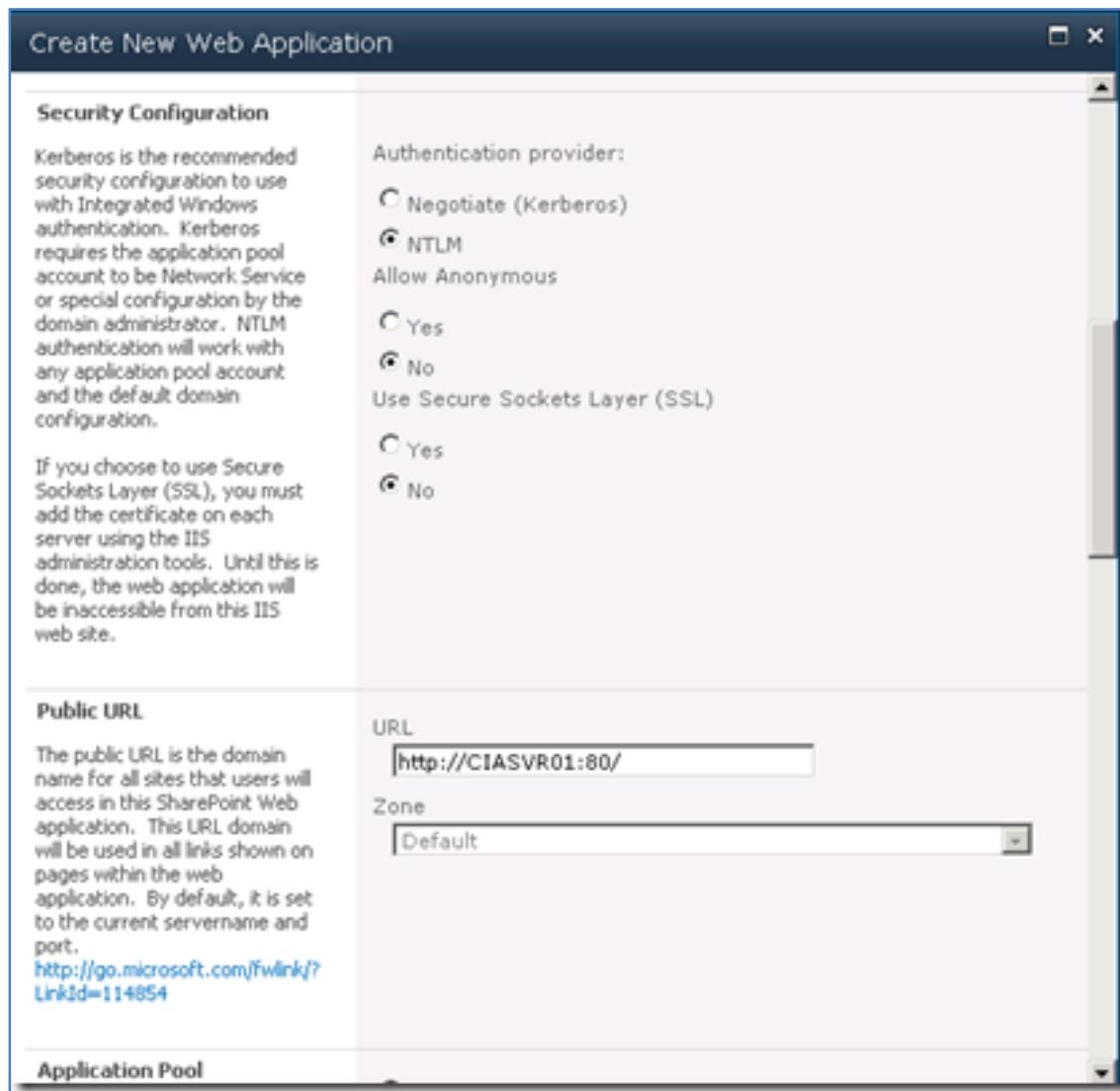
Select **Create a new IIS Web site** (leaving Classic mode authentication set).

In the *Name* field type **SBS SharePoint** (note that the case and spelling are important here).

Ensure the *Port* field = **80**.

In the *Path* field type **C:\Program Files\Windows Small Business Server\Bin\webapp\InternalWebSite** where C: is the drive where the Windows Operating system is installed.

Scroll down for more options.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

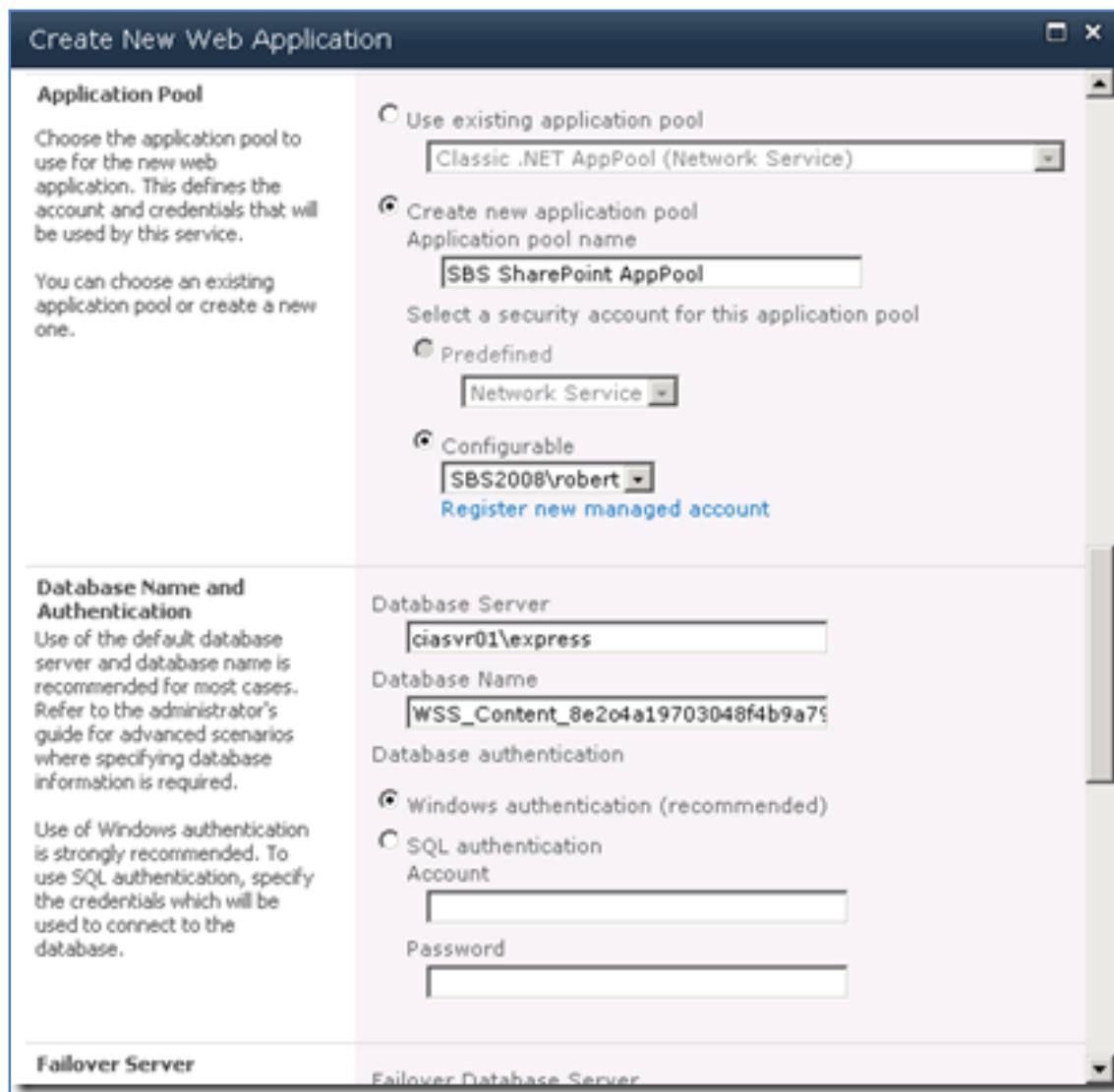
Set the Authentication Provider = **NTLM**

Set Allow Anonymous = **No**

Set Use Secure Sockets Layer (SSL) = **No**

Ensure that Zone in the Public URL section = **Default**.

Scroll down for more options.



Select the option **Create new application pool** in the *Application Pool* section.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The *Application pool name* enter **SBS SharePoint AppPool** (note that spelling and case are important here. If this is incorrect you will not see SharePoint integration on the SBS console).

(Note : this is actually incorrect. The AppPool should be **SBS Sharepoint AppPool** as shown from a standard clean setup of SBS 2008)

Application Pool	Status	.NET Framework Version	Integration Type
SBS Client Deployment App...	Started	v2.0	Integrated
SBS Sharepoint AppPool	Started	v2.0	Classic
SBS Web Applications applic...	Started	v2.0	Integrated
SBS Web Windows App Pool	Started	v2.0	Integrated

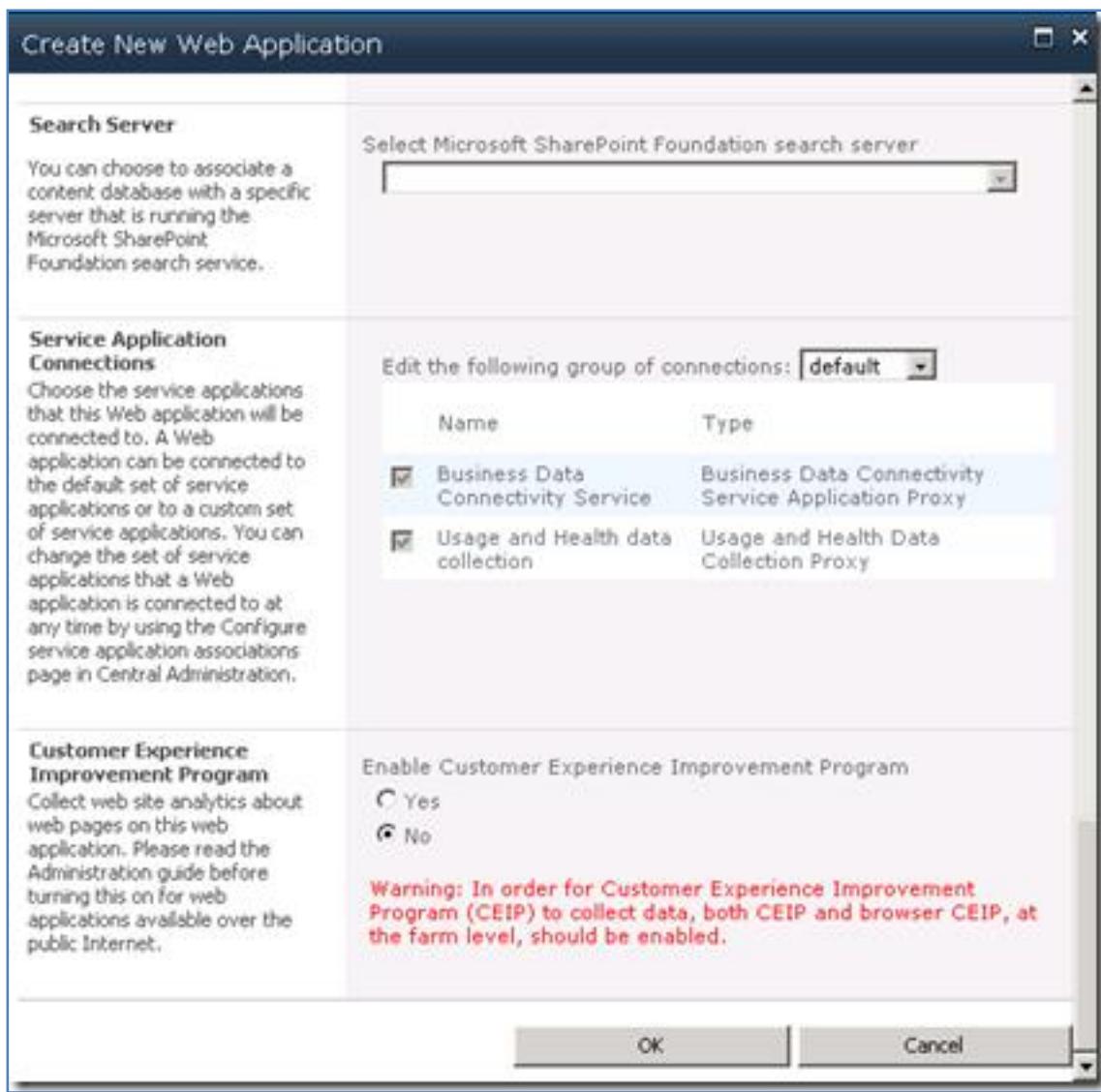
If you use the Microsoft naming convention the SharePoint site will not show as active in SBS console. It is recommended that you use the AppPool name **SBS Sharepoint AppPool** instead here)

Leave the *Database Server* and *Database Name* unchanged.

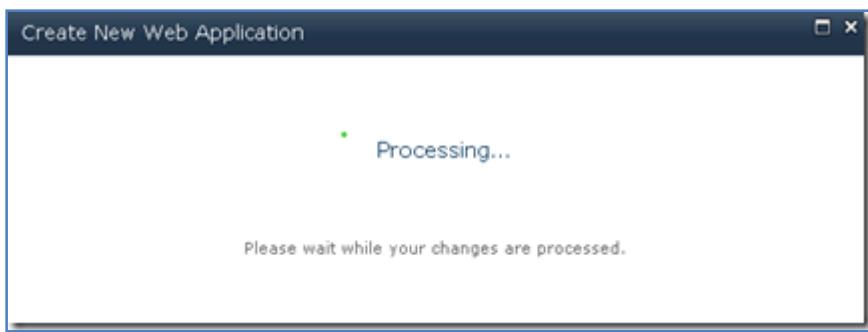
Ensure *Database authentication* = **Windows Authentication**

Scroll down for more options.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

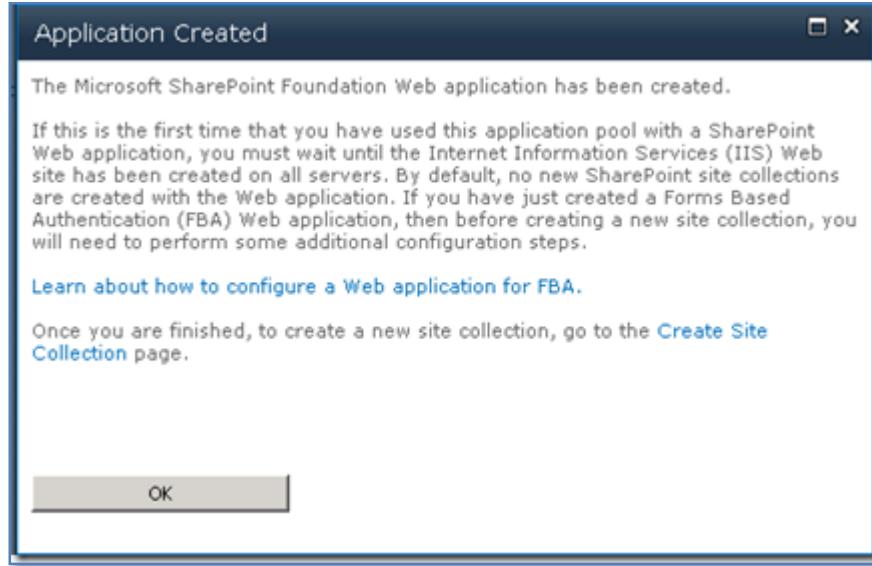


Don't make any further changes and press the **OK** button.



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You should see the message that your settings are being configured. This process may take a few minutes depending on your server.



You should then see that a message like shown above detailing the success of the process.

Press **OK** to continue.

A screenshot of the SharePoint Central Administration interface under the "Web Applications" tab. The ribbon shows "System Account". The top navigation bar includes "Site Actions", "Browse", and "Web Applications". Below the ribbon is a toolbar with icons for New, Extend, Delete, General Settings, Manage Features, Managed Paths, Authentication Providers, Self-Service Site Creation, Blocked File Types, User Permissions, User Policy, Anonymous Policy, and Permission Policy. The main content area displays a table of web applications. The table has columns for Name, URL, and Port. It lists two entries: "SBS SharePoint" with URL "http://ciasvr01/" and port "80", and "SharePoint Central Administration v4" with URL "http://ciasvr01:34947/" and port "34947". On the left side of the content area, there is a vertical navigation menu with links: Central Administration, Application Management, System Settings, Monitoring, Backup and Restore, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards.

You will be returned to the *Web Applications* screen in *Central Administration*. Here you should now see an additional web site called *SBS SharePoint* as shown above.

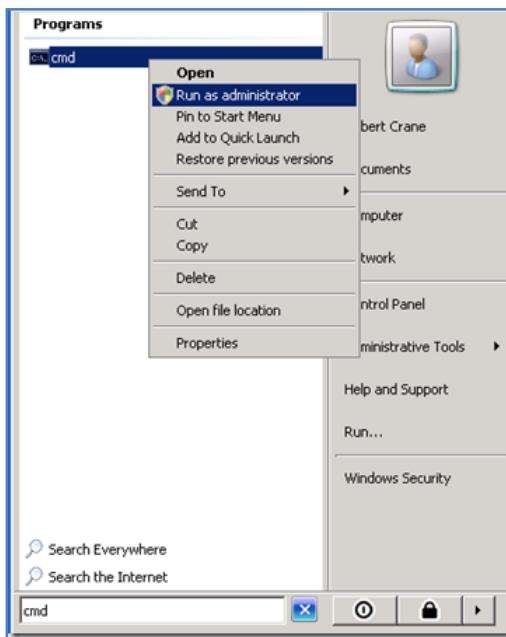
Step 9 - Detach the Windows SharePoint Services 3.0 database from Windows Internal Database

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You will need to have the SQLCMD utility installed on your server before you can complete these steps. This can be downloaded directly for SBS 2008 (x64) via:

http://download.microsoft.com/download/4/4/d/44dbde61-b385-4fc2-a67d-48053b8f9fad/SQLServer2005_SQLCMD_x64.msi

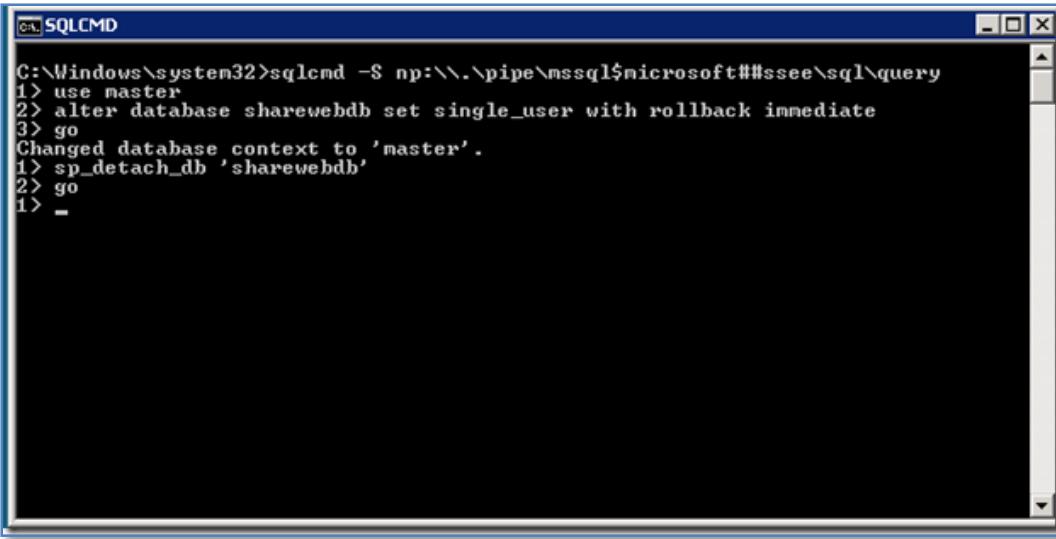
(*Authors note. It would be better to install the SQL Management Studio Express to complete this step as you need it for the next step anyway and other maintenance in general. Although the SQLCMD utility is handy to have it isn't really necessary).



Click **Start** in the *Search* box type **CMD**.

Under *Programs* right mouse click on **CMD** and select the option **Run as administrator** from the menu that appears.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



```
SQLCMD
C:\Windows\system32>sqlcmd -S np:\\.\pipe\mssql$MICROSOFT##SSEE\sql\query
1> use master
2> alter database sharewebdb set single_user with rollback immediate
3> go
Changed database context to 'master'.
1> sp_detach_db 'sharewebdb'
2> go
1> -
```

At the command prompt type the following commands all followed by the ENTER key:

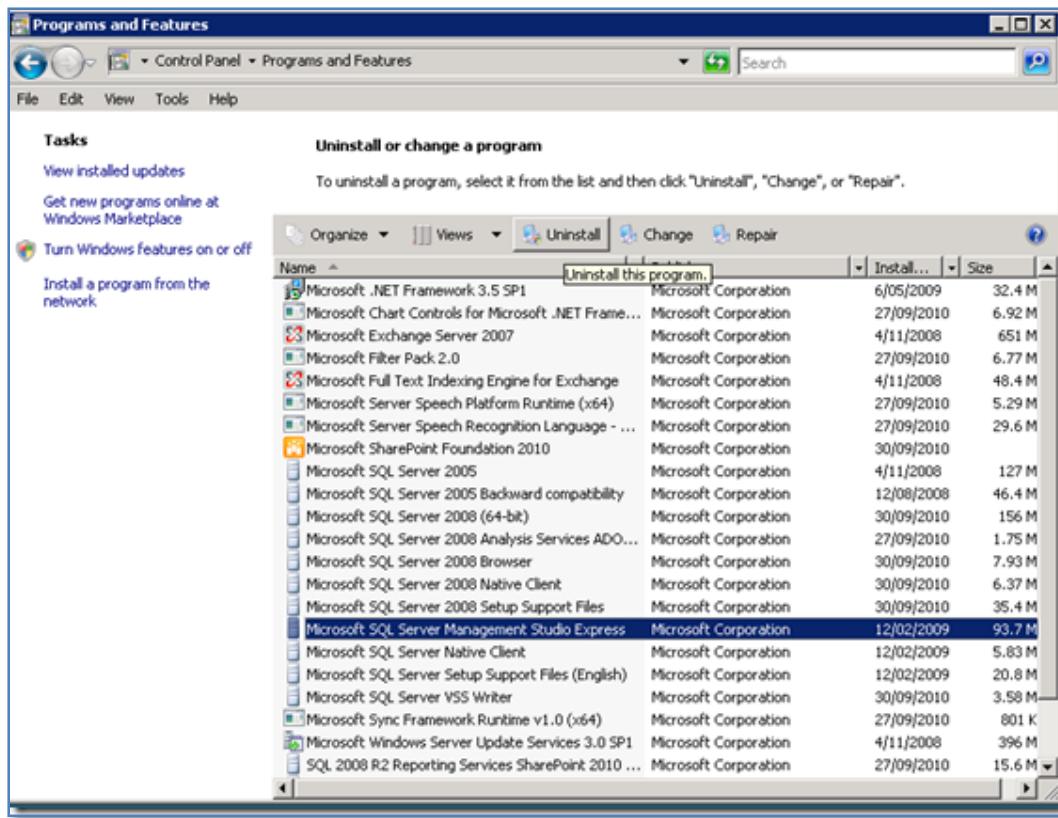
```
sqlcmd -S np:\\.\pipe\mssql$MICROSOFT##SSEE\sql\query
use master
alter database ShareWebDb set single_user with rollback immediate
go
sp_detach_db 'ShareWebDb'
go
```

The WSS v3 content database is now removed from being connected to SQL Embedded Edition 2005. The next step will attach it to the SQL Server 2008 Express.

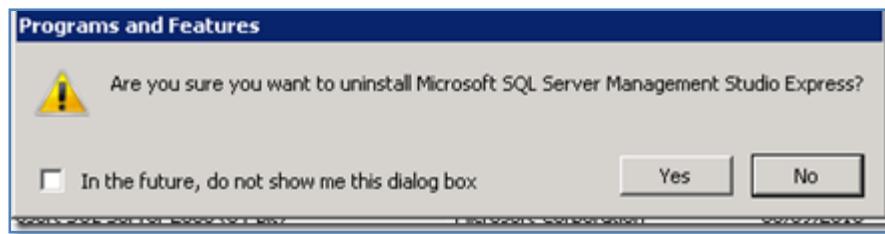
Step 10 - Attach the ShareWebDb database to SQL Server 2008

Select Start | Control Panel | Programs and Features.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

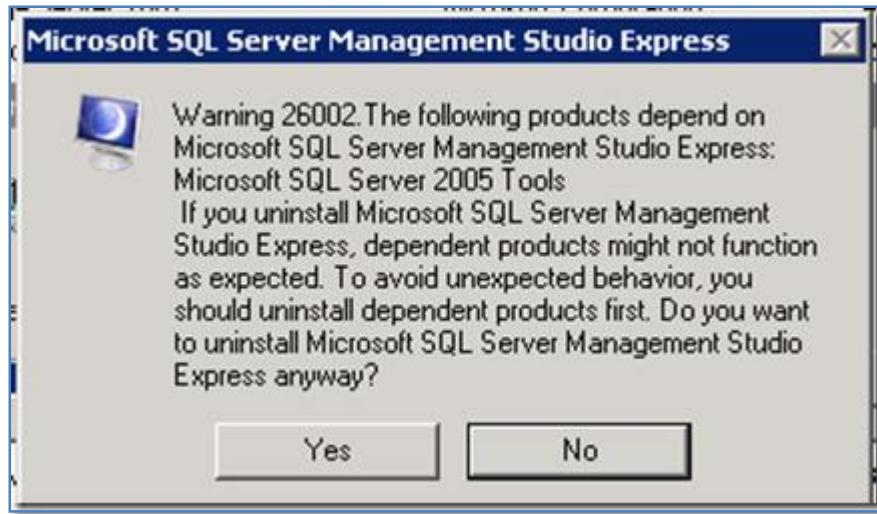


Locate the entry *Microsoft SQL Server Management Studio Express*. Select it and then click the **Uninstall** button at the top of the window.



Select **Yes** to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Select **Yes** to continue.

(*Authors note – you will be installing a 2008 version of the SQL Management Studio which allows the support of SQL 2008 & 2005 databases)

Download Microsoft SQL Server 2008 Management Studio Express. The direct link is:

<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=08e52ac2-1d62-45f6-9a4a-4b76a8564a2b&displaylang=en>

Install the download on the server.

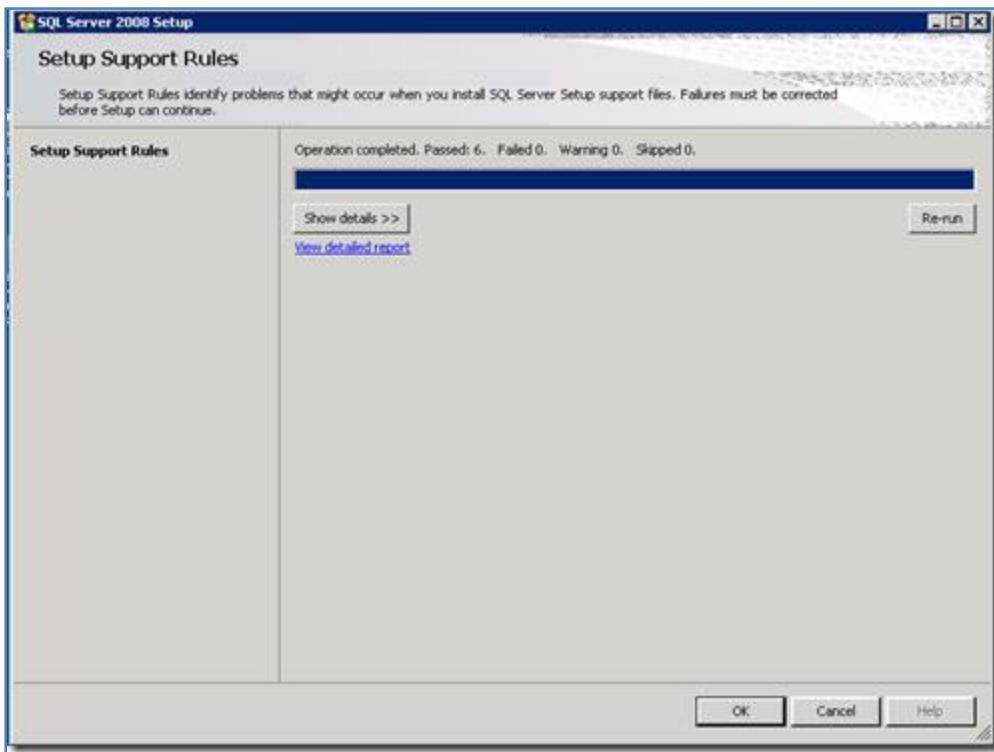


(*Authors note – recommended that the install be run as an administrator)

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

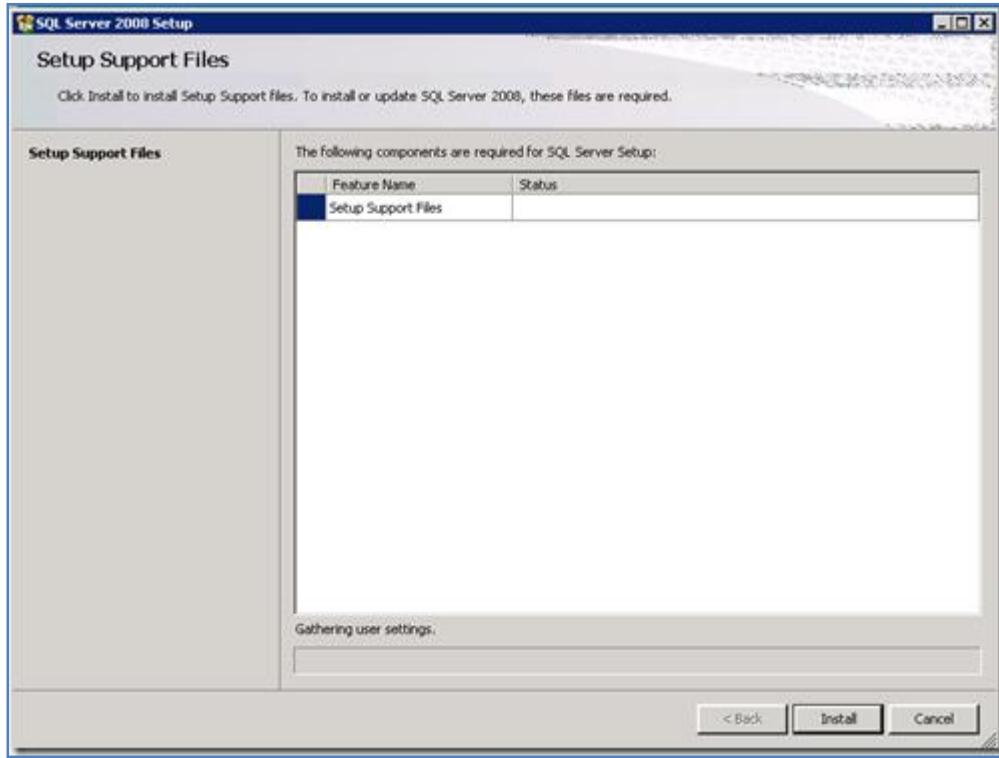


(*Authors note – Select **Installation** from menu on left and then **New SQL Server stand-alone installation or add features to an existing installation** on the right).



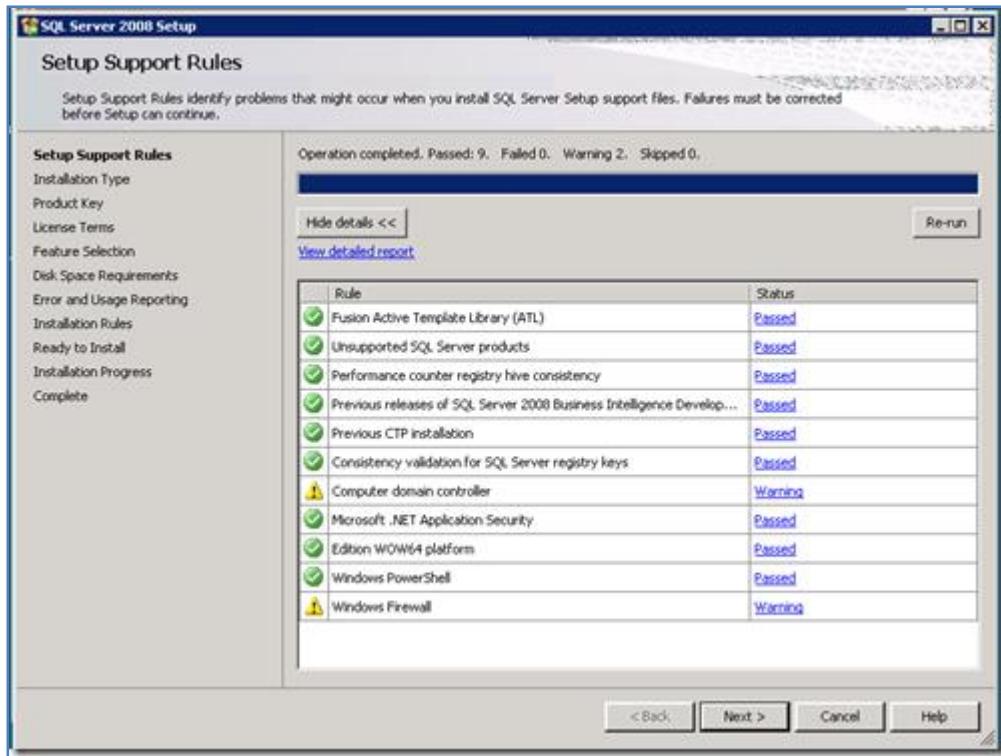
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

(*Authors note – select **OK** when available).

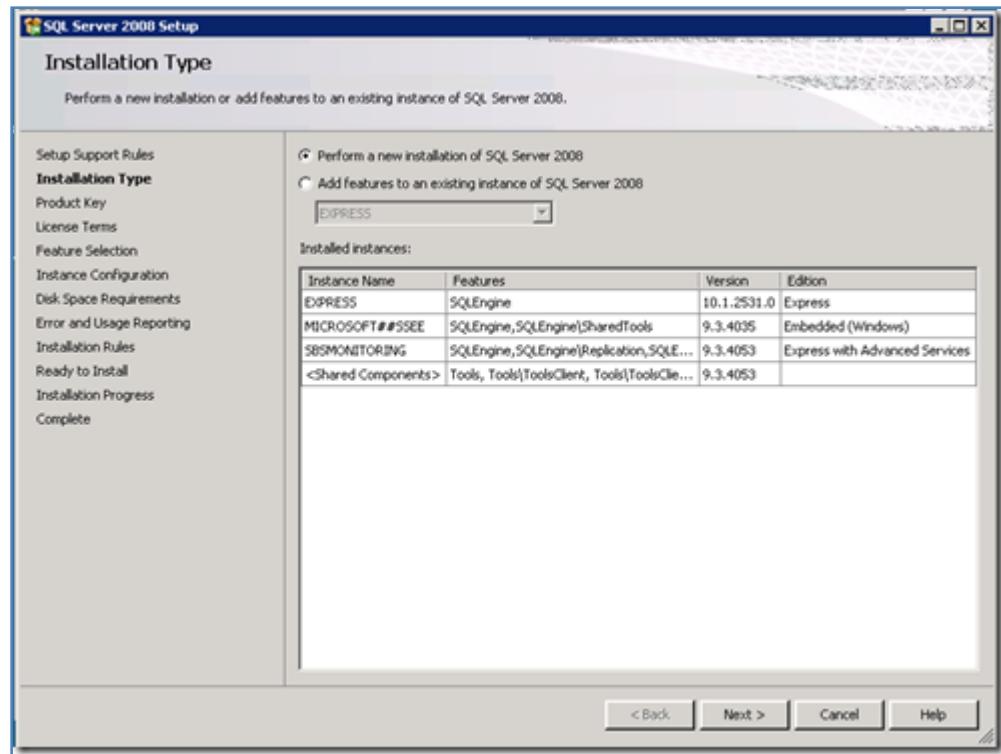


(*Authors note – select **Install** when available).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



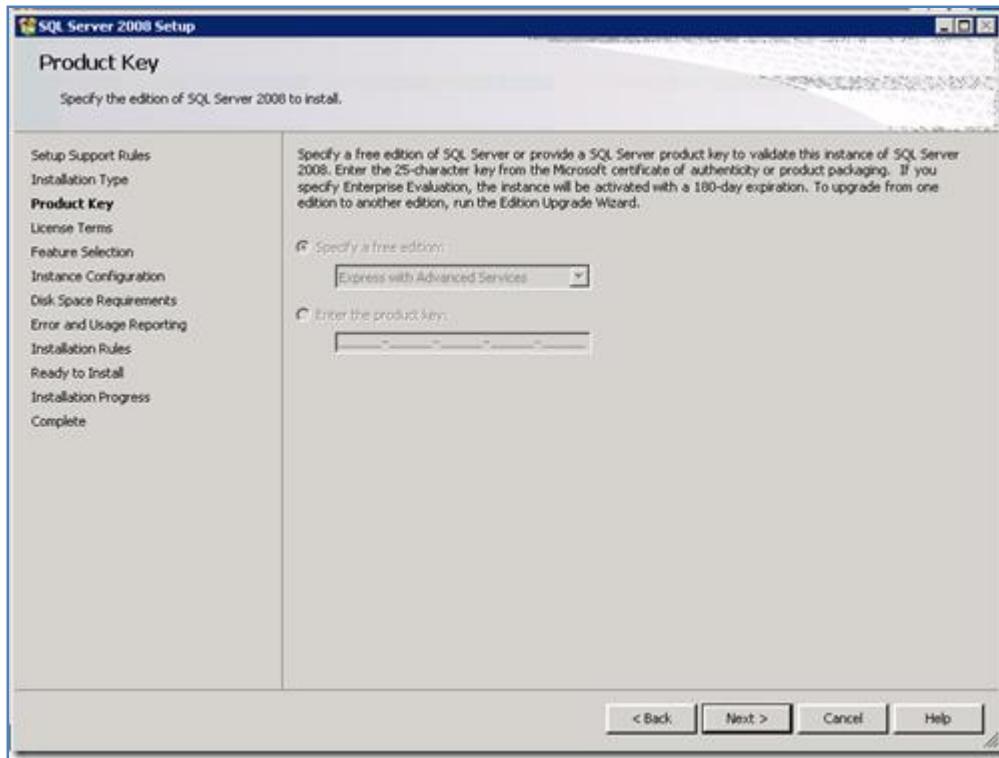
(*Authors note – select **Next** when available).



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

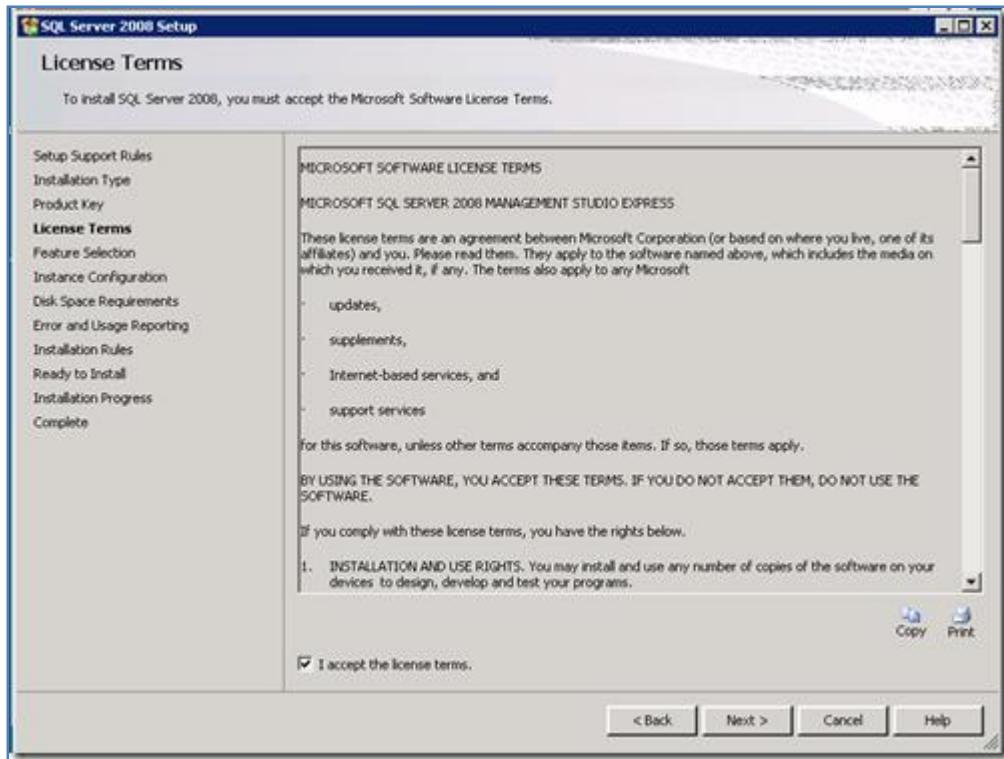
Select **Perform a new installation of SQL Server 2008**.

(*Authors note – select **Next** when available. You can select either option here, however as this installation package is only the SQL Management Studio a new installation will only install that as we will see in a few screens).

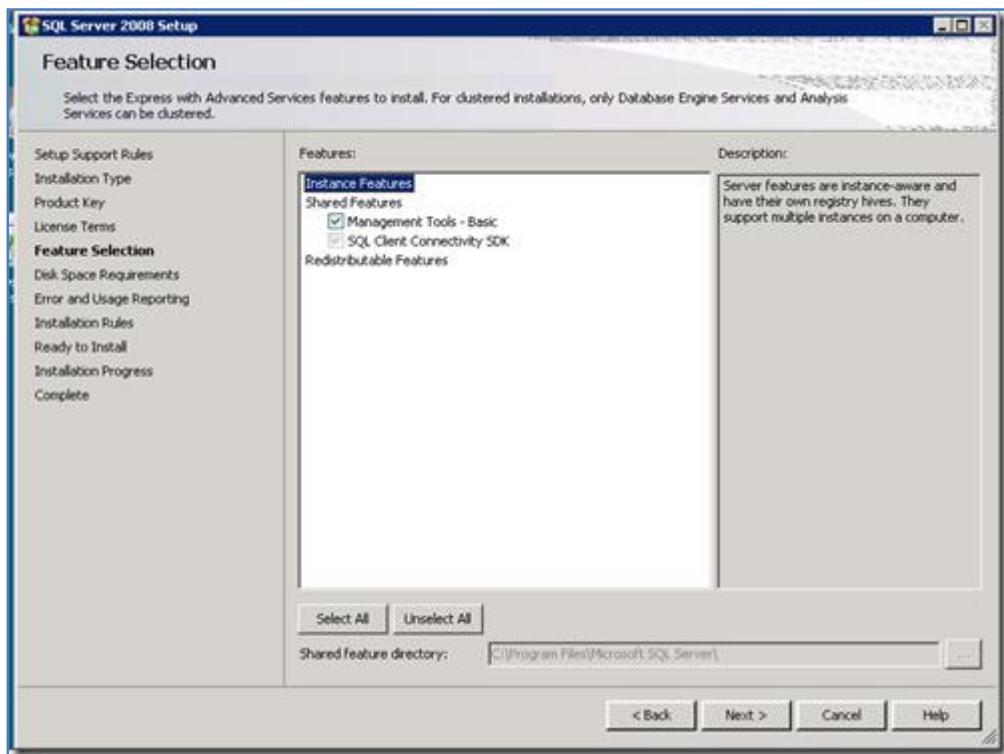


(*Authors note – select **Next** when available).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



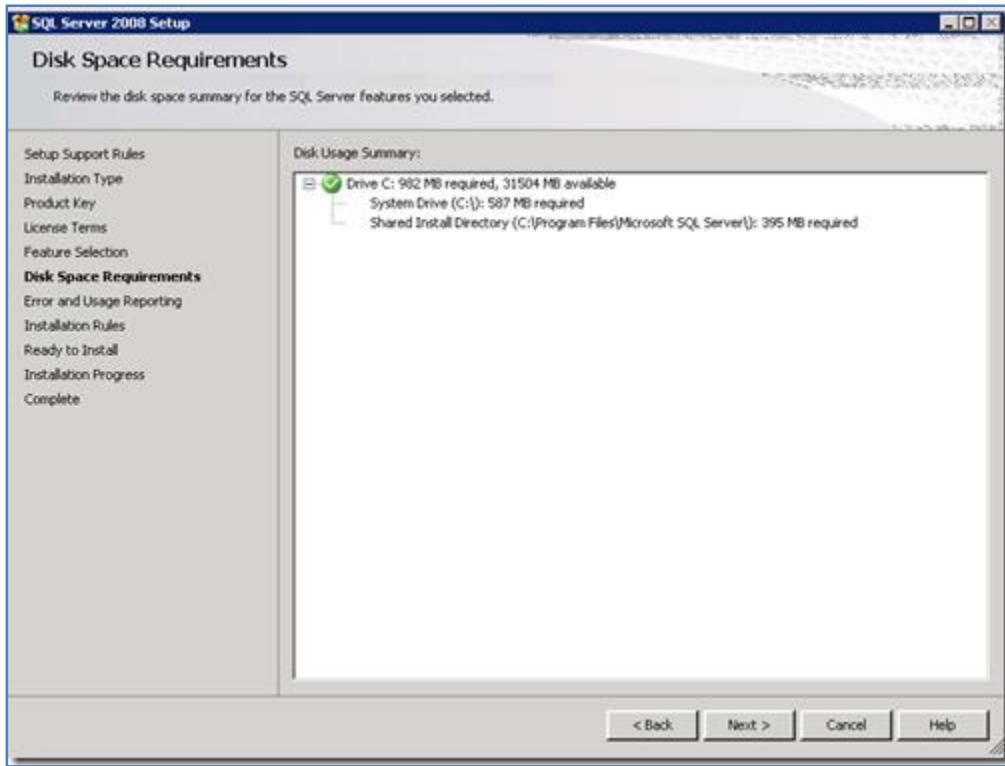
(*Authors note – select **I accept the license terms** and then **Next**).



Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

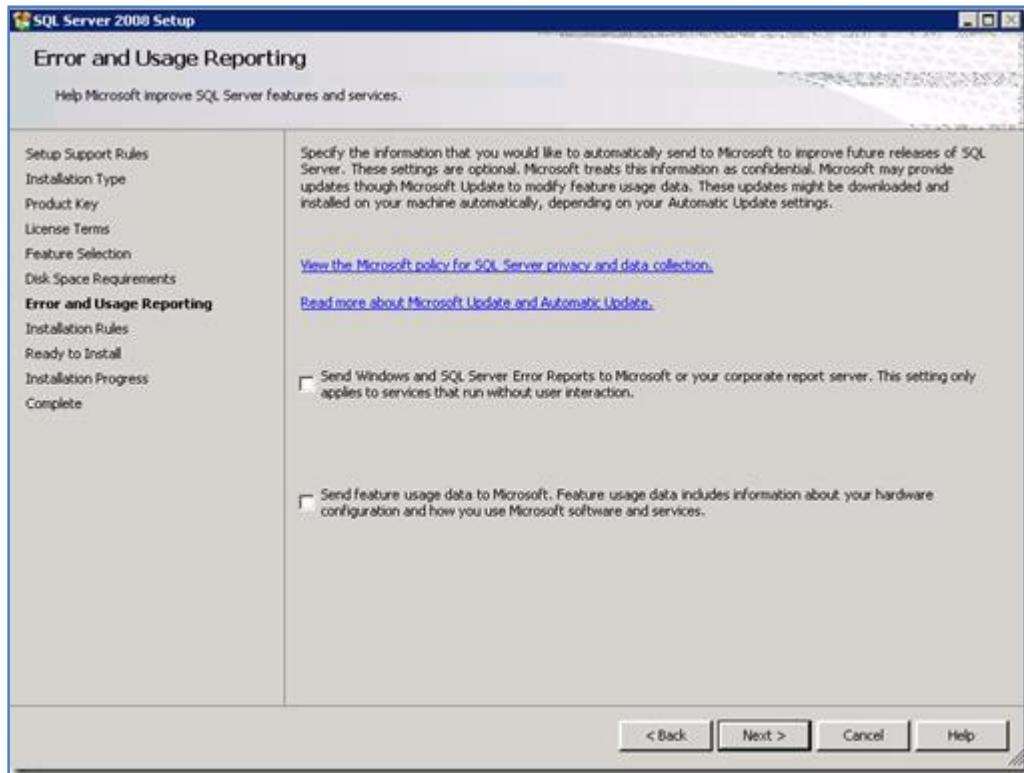
Select Management Tools – Basic.

(*Authors note – then **Next**. If you chose to add features in a previous screen this option is hidden as it is the only option to add to an existing instance).



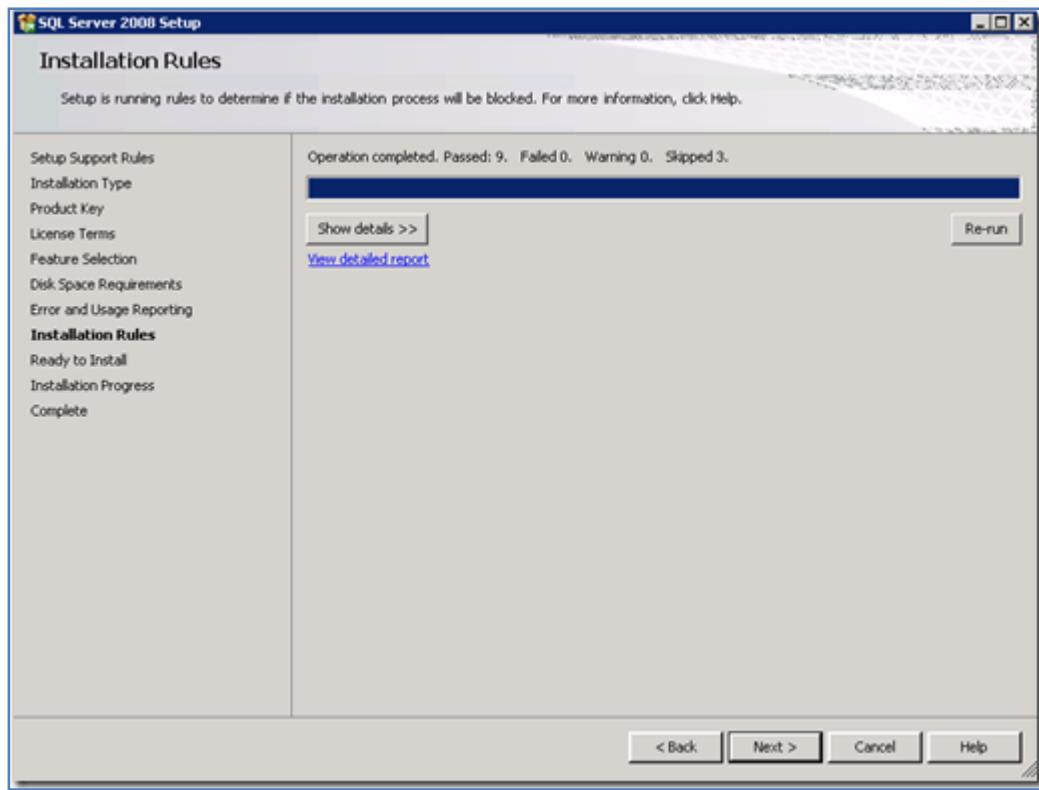
(*Authors note – select **Next** when available).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



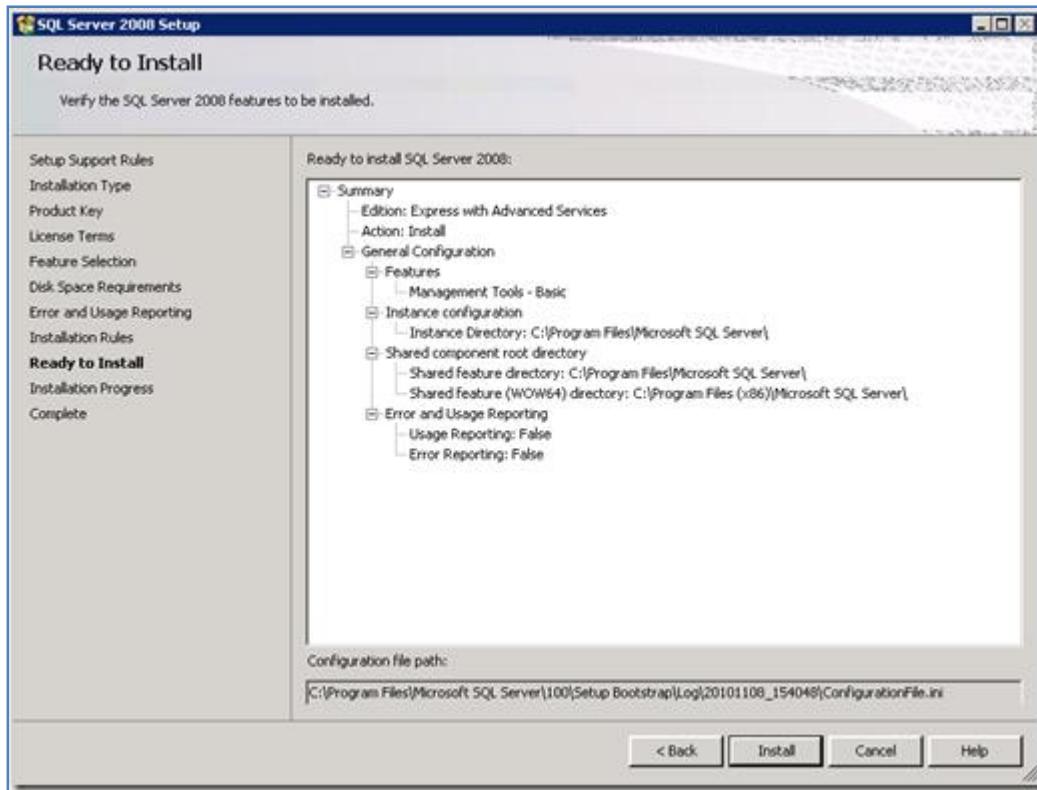
(*Authors note – leave all options unchecked and select **Next** when available).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



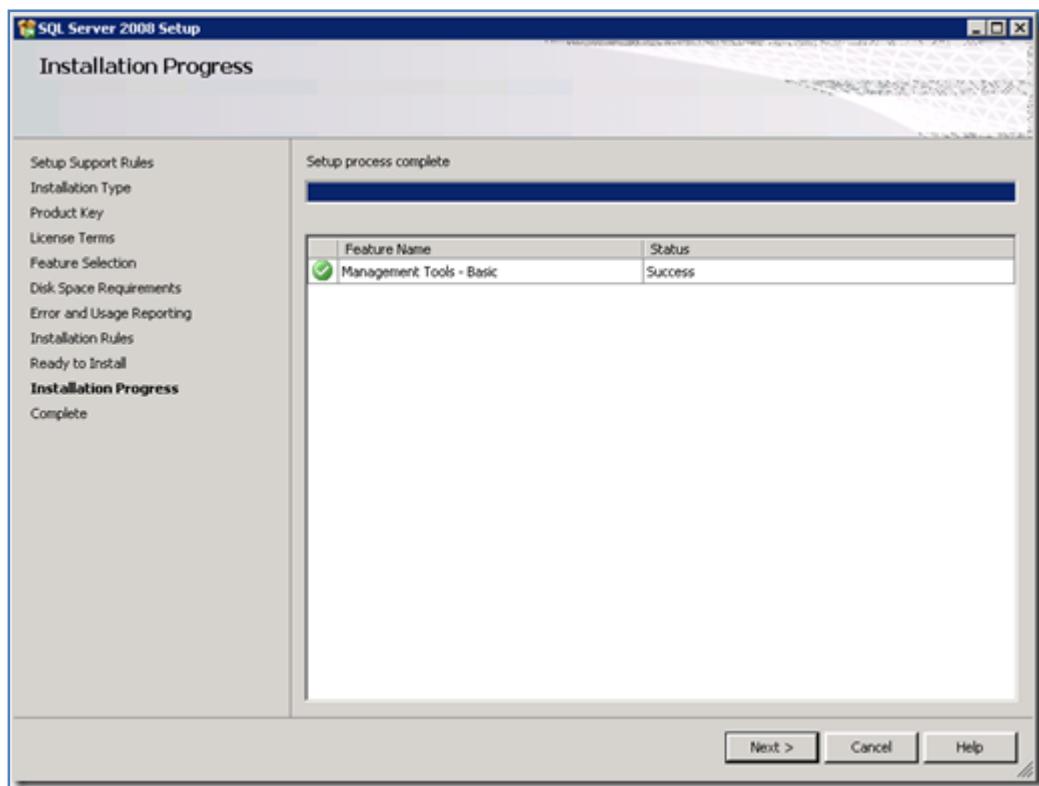
(*Authors note – select **Next** when available).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



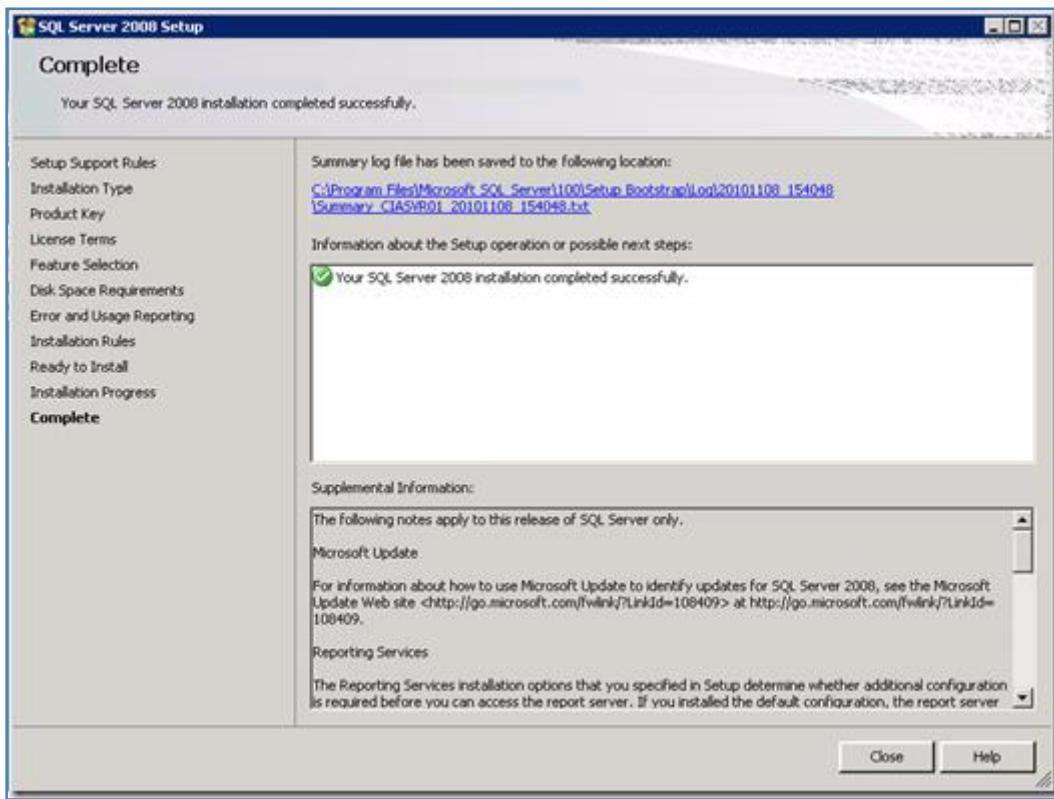
(*Authors note – select **Install** when available).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

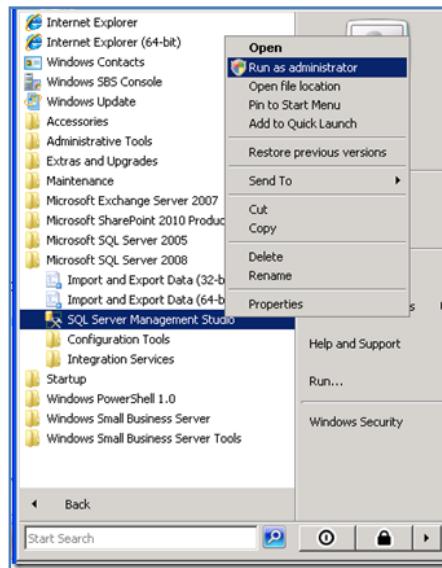


(*Authors note – select **Next** when available).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



(*Authors note – select **Close** when available).



Run the *SQL Management Studio*.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

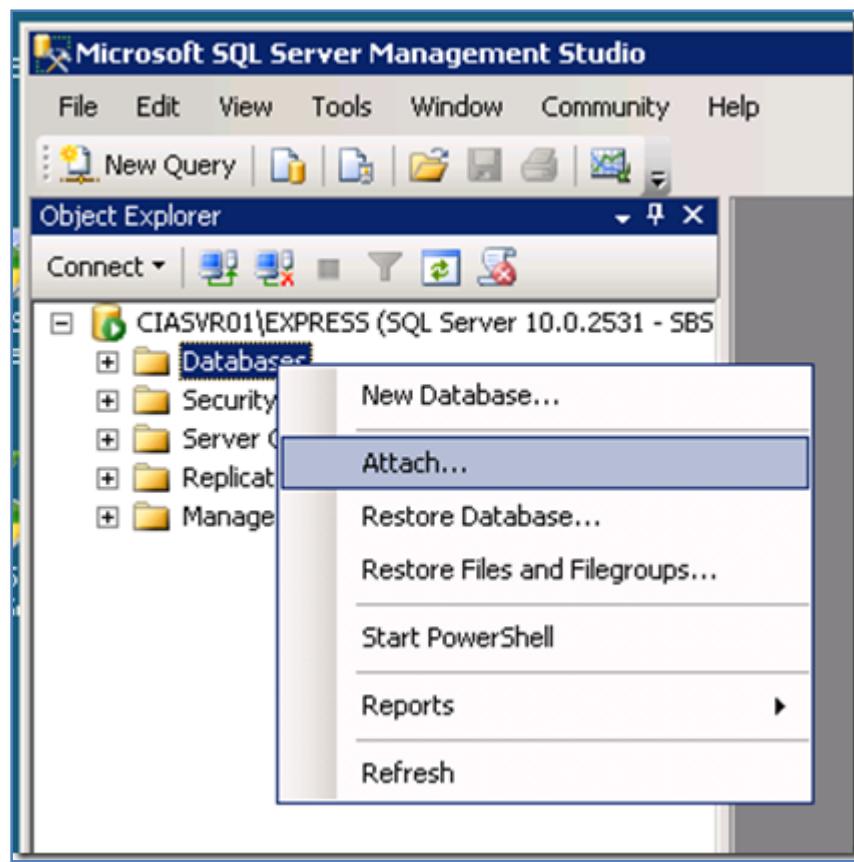
(*Authors note – select **Start | All Programs | Microsoft SQL Server 2008** and right mouse click on **SQL Server Management Studio**. Select **Run as administrator** from menu that appears. Accept UAC after this).



Connect to the SQL instance call *Express* that was created in Step 4.

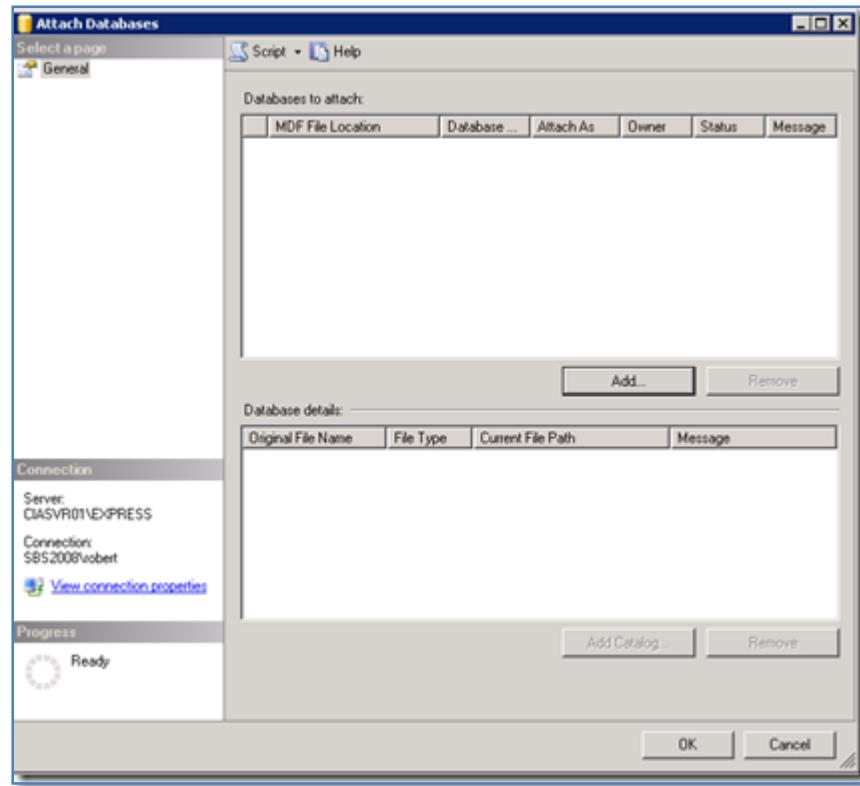
(*Authors note – should actually be Step 6 it seems in the Microsoft documentation).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



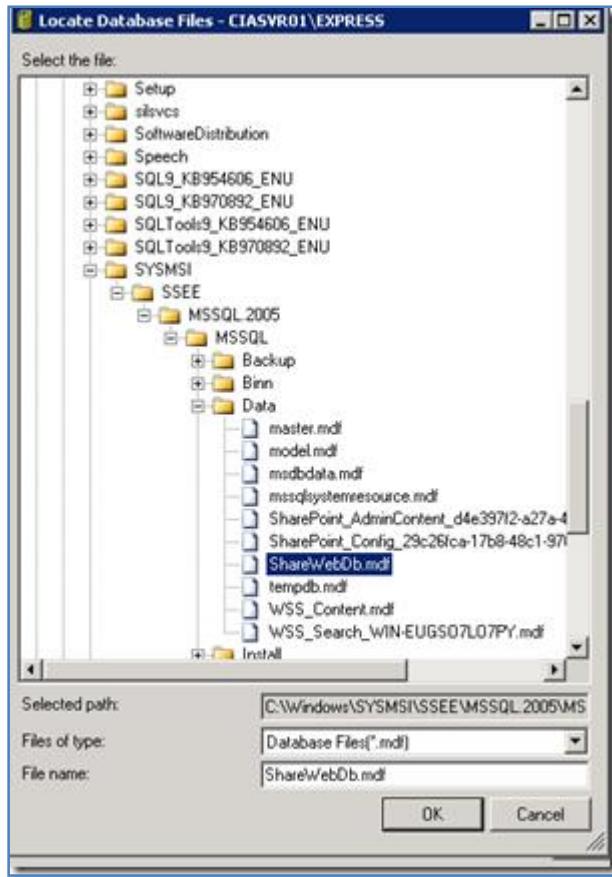
Right mouse click on *Databases* and select **Attach...** from the menu that appears.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



(*Authors note – select **Add**).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



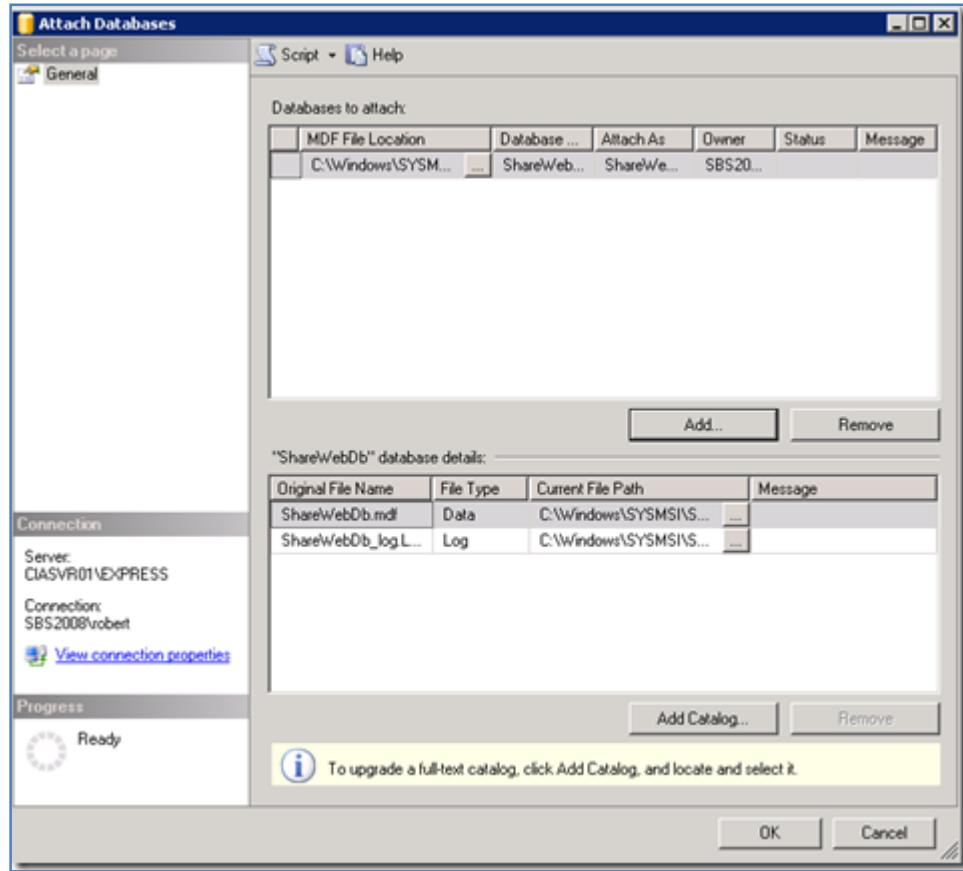
This is what the Microsoft document says:

“In the Attach Database dialog box, browse to the location where you transferred the .mdf and .ldf files in “Step 2: Back up the Windows Internal Database files,” select the ShareWebDb.mdf file for the database that you want to attach, and then click OK.”

(*Authors note – navigate to c:\windows\sysmsi\ssee\mssql.2005\mssql\data and select ShareWebDB.mdf.

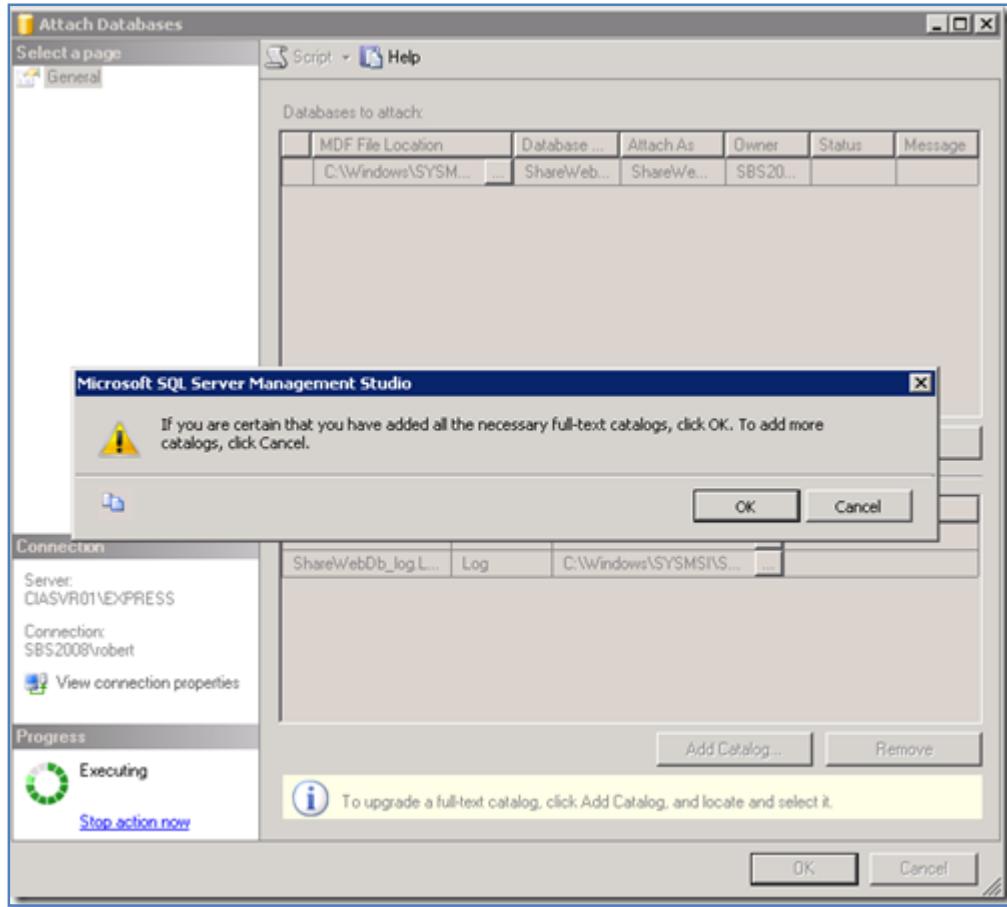
The issue with the Microsoft document is firstly, it should read Step 4 – Back up the Windows Internal Database files, not Step 2. Secondly, you should not be attaching these as they are backups, the original content database which you detached in Step 9 are actually located in c:\windows\sysmsi\ssee\mssql.2005\mssql\data. It is these original WSS v3 content databases you should be using).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



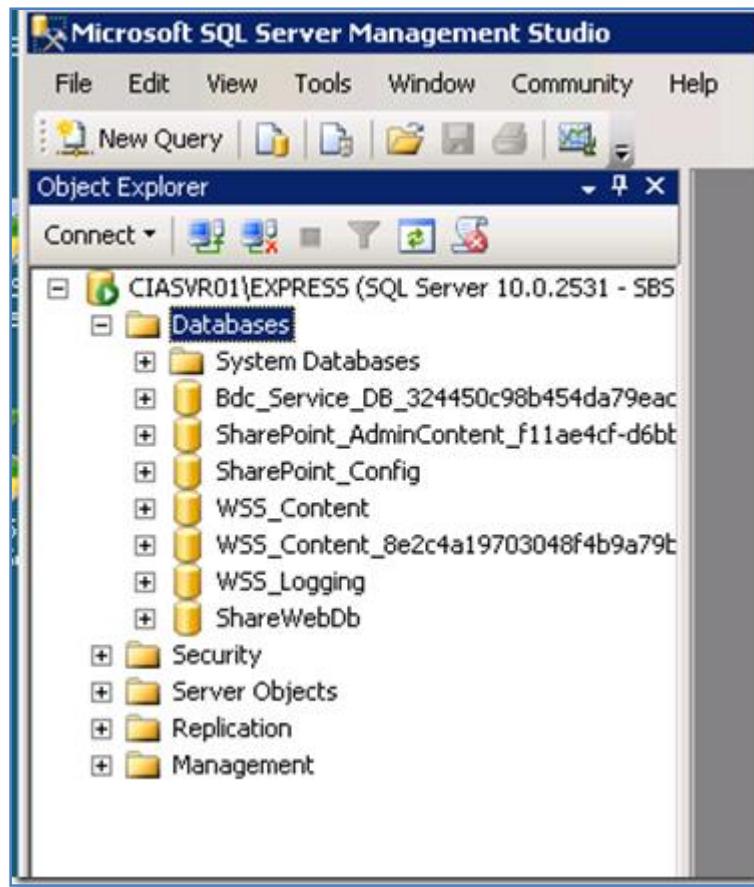
(*Authors note – select **OK**).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



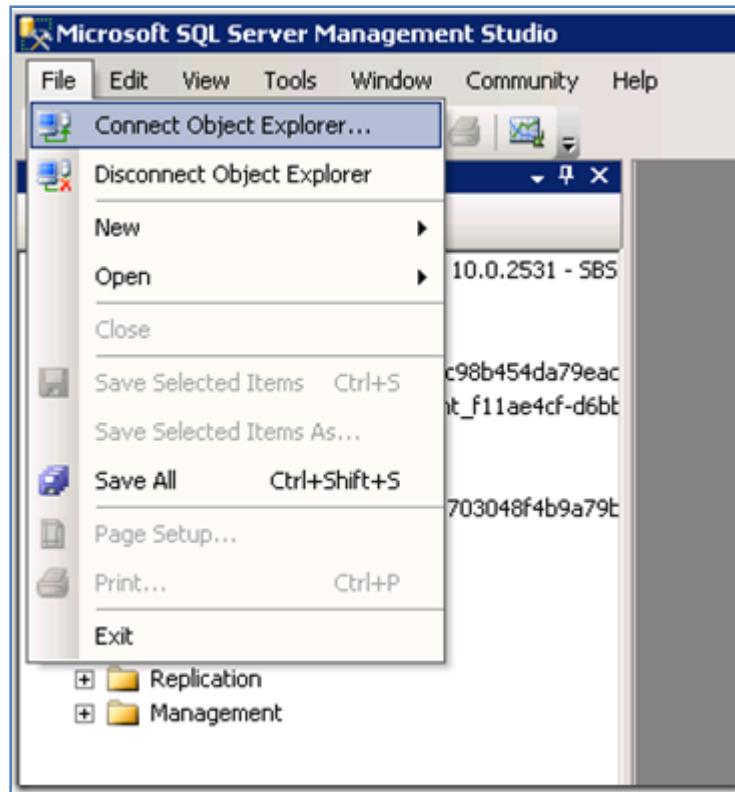
(*Authors note – select **OK**).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



(*Authors note – if you now open Databases you should see ShareWebDb).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

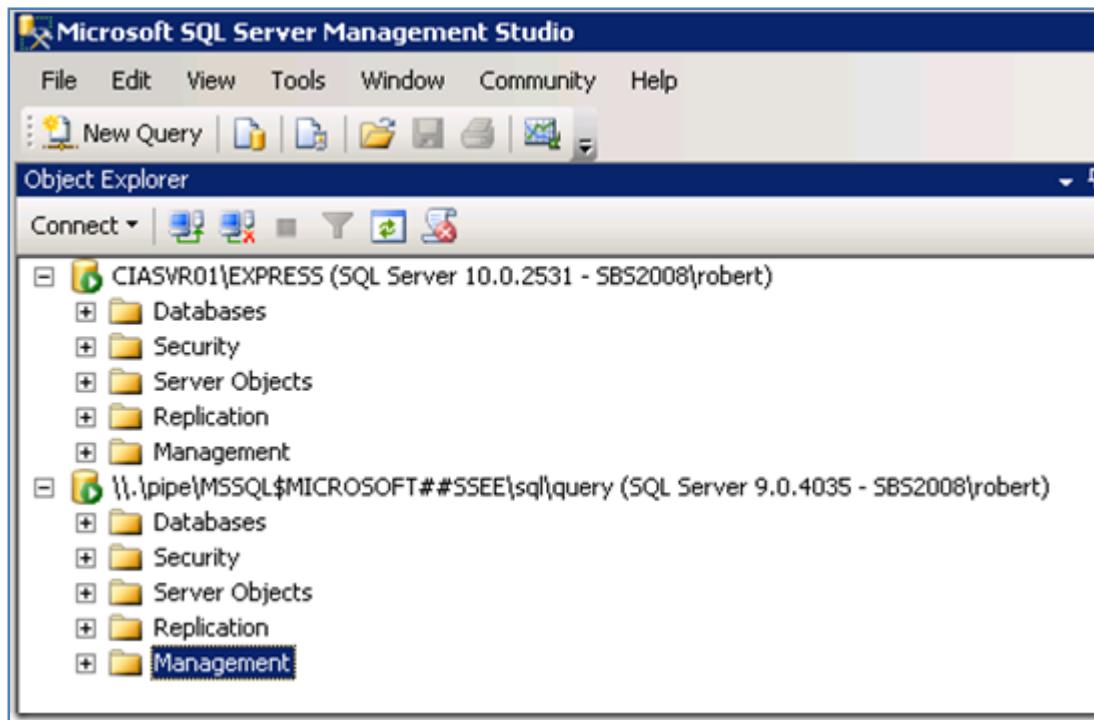


(*Authors note – To manage your SQL 2005 Embedded databases via the SQL Management Studio select **File | Connect Object Explorer**.



Enter \.\pipe\MSQL\$MICROSOFT##SSEE\sql\query in the server name and press **Connect**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

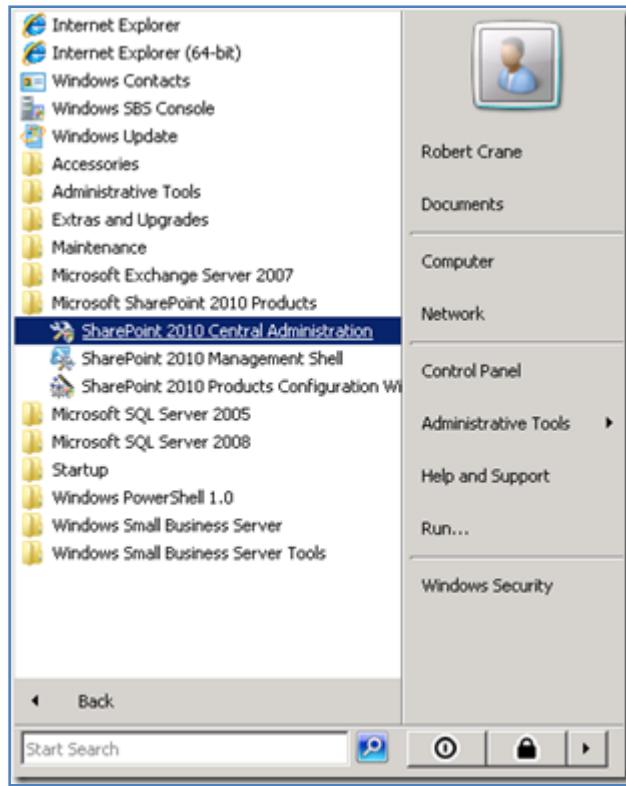


You should now see the two SQL instances – 2008 at the top and 2005 Embedded below as shown above).

Step 11 - Remove the existing content database

Run the SharePoint 2010 Central Administration via Start | All Programs | Microsoft SharePoint 2010 Products | SharePoint 2010 Central Administration.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Accept the UAC.

A screenshot of the SharePoint 2010 Central Administration interface. The title bar says "Microsoft SharePoint 2010 Central Administration". On the left is a navigation menu with options: Central Administration, Application Management, System Settings, Monitoring, Backup and Restore, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards. The main content area is divided into several sections: "Application Management" (Manage web applications, Create site collections, Manage service applications, Manage content databases), "Monitoring" (Review problems and solutions, Check job status), "Security" (Manage the farm administrators group, Configure service accounts), "General Application Settings" (Configure send to connections), "System Settings" (Manage servers in this farm, Manage services on server, Manage farm features, Configure alternate access mappings), "Backup and Restore" (Perform a backup, Restore from a backup, Perform a site collection backup), "Upgrade and Migration" (Check product and patch installation status, Check upgrade status), and "Configuration Wizards".

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Select **Manage content databases** from under the *Application Management* heading.

Central Administration > Application Management > Manage Content Databases

Database Name	Database Status	Database Read-Only	Current Number of Site Collections	Site Collection
WSS_Content_8e204a1970304bf4b9a79b9709ca024d	Started	No	0	9000

Click on the *Database name* which is a hyperlink.

(*Authors note – there will normally only be a single database and it will have some GUID after WSS_Content_).

Central Administration > Application Management > Manage Content Database Settings

Warning: this page is not encrypted for secure communication. User names, passwords, and any other information will be sent in clear text. For more information, contact your administrator.

Database Information

Specify database connection settings for this content database. Use the **Database status** options to control whether or not new Site Collections can be created in the database. When the database status is set to **Ready**, the database is available for hosting new Site Collections. When the database status is set to **Offline**, no new Site Collections can be created.

Database server: ciasvr01\express
SQL Server database name: WSS_Content_8e204a1970304bf4b9a79b9709ca024d
Database status: **Ready**
Database Read-Only: No
Database authentication: Windows authentication

Database Versioning and Upgrade

Use this section to check the version and upgrade status of this database. If the Current SharePoint Database Schema Version is less than the Maximum SharePoint Database Schema Version, the database should be upgraded as soon as possible.

Database Schema Versions

Microsoft.SharePoint.Upgrade.SPContentDatabaseSequence
Current Schema Version: 4.0.145.0, Maximum Schema Version: 4.0.145.0
Microsoft.SharePoint.Upgrade.SPContentDatabaseSequence2
Current Schema Version: 4.0.8.0, Maximum Schema Version: 4.0.8.0
Microsoft.SharePoint.Administration.SPContentDatabase
Current Schema Version: 14.0.4762.1000, Maximum Schema Version: 14.0.4762.1000

Failover Server

You can choose to associate a database with a specific failover server that is used in conjunction with SQL Server database mirroring.

Failover Database Server: [empty]

Scroll down the screen.

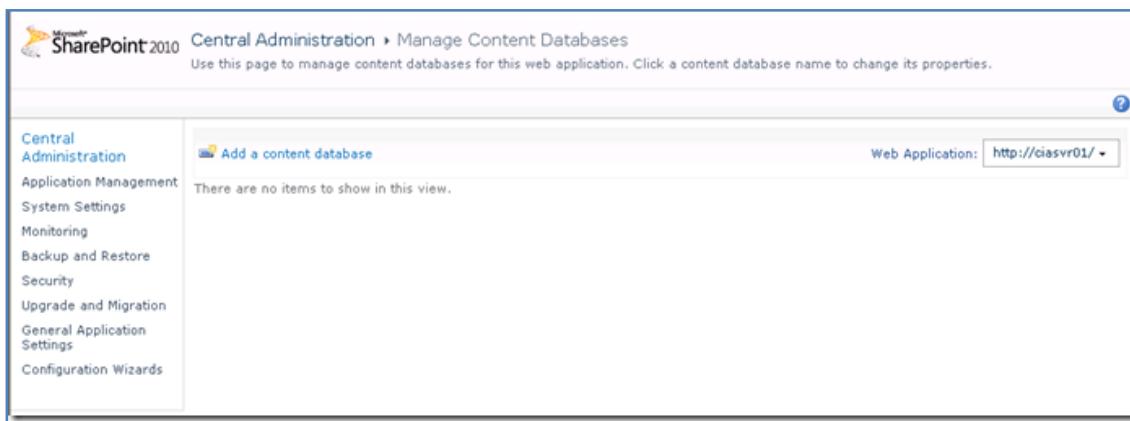
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



In the *Remove Content Database* section check the option **Remove content database**.

Scroll down the screen and select the **OK** button.

(*Authors note – there is no additional warning here, once you click OK the existing content database is removed from this site).

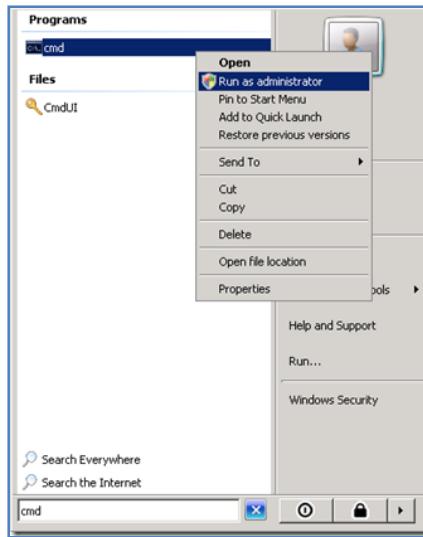


(*Authors note – you should now see no content databases listed as shown above).

Step 12 - Connect the ShareWebDb content database

Run an administrator privileged command prompt at the server console.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Select **Start** and type **CMD** into the *Search* box. From the list that appears, **right mouse click** on **CMD** and select **Run as administrator** from the menu that appears.

Accept the UAC

```
Administrator: C:\Windows\System32\cmd.exe -stsadm -o addcontentdb -url http://localhost -data...  
Microsoft Windows [Version 6.0.6002]  
Copyright <c> 2006 Microsoft Corporation. All rights reserved.  
C:\Windows\system32>cd\program files  
C:\Program Files>cd common files  
C:\Program Files\Common Files>cd microsoft shared  
C:\Program Files\Common Files\Microsoft Shared>cd web server extensions  
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions>cd 14  
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14>cd bin  
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\BIN>stsad  
m -o addcontentdb -url http://localhost -databasename sharewebdb  
1.64%
```

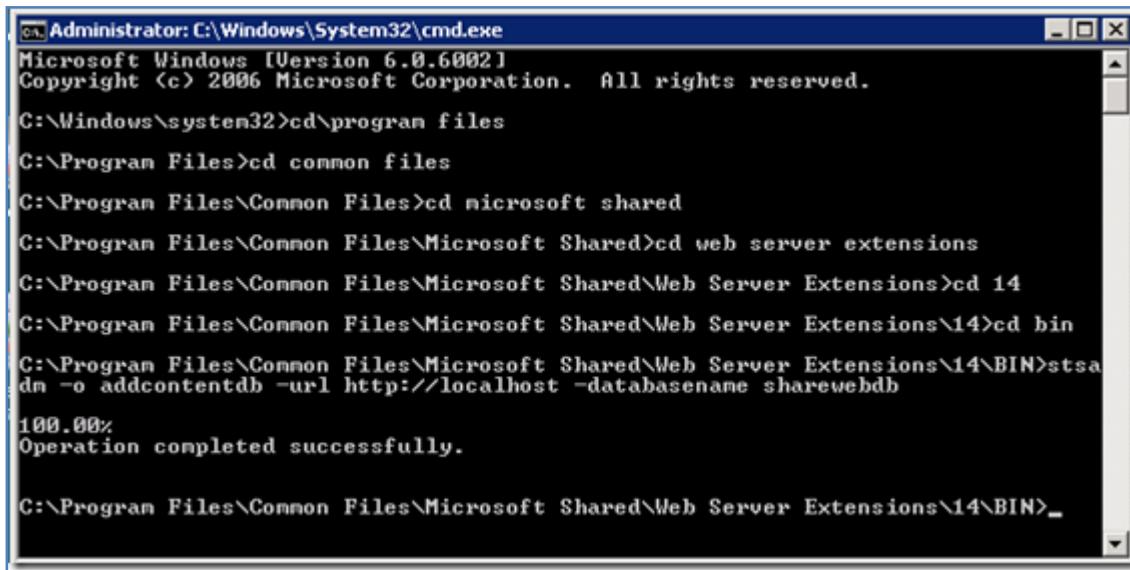
Change directory to *c:\program files\common files\microsoft shared\web server extensions\14\bin*.

Type the following command:

```
stsadm -o addcontentdb -url http://localhost -databasename sharewebdb
```

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

(*Authors note - You should now see a percentage complete number displayed, as shown above. This is indication of the database conversion process from WSS v3 to SharePoint Foundation 2010. The duration of this conversion will depend on the hardware as well as the database size).



```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.0.6002]
Copyright <c> 2006 Microsoft Corporation. All rights reserved.

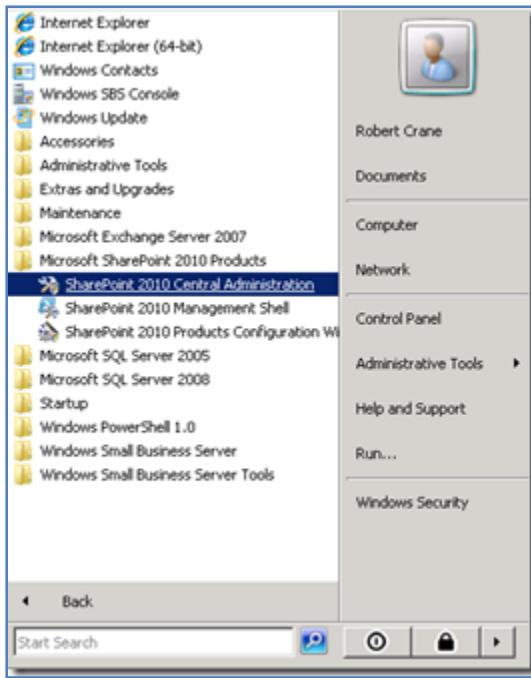
C:\Windows\system32>cd\program files
C:\Program Files>cd common files
C:\Program Files\Common Files>cd microsoft shared
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions>cd 14
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14>cd bin
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\BIN>stsadm -o addcontentdb -url http://localhost -databasename sharewebdb
100.00%
Operation completed successfully.

C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\BIN>
```

(*Authors note – when the process is complete you should see a message like shown above indicating Operation completed successfully).

Step 13 - Recreate the original internal website environment

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



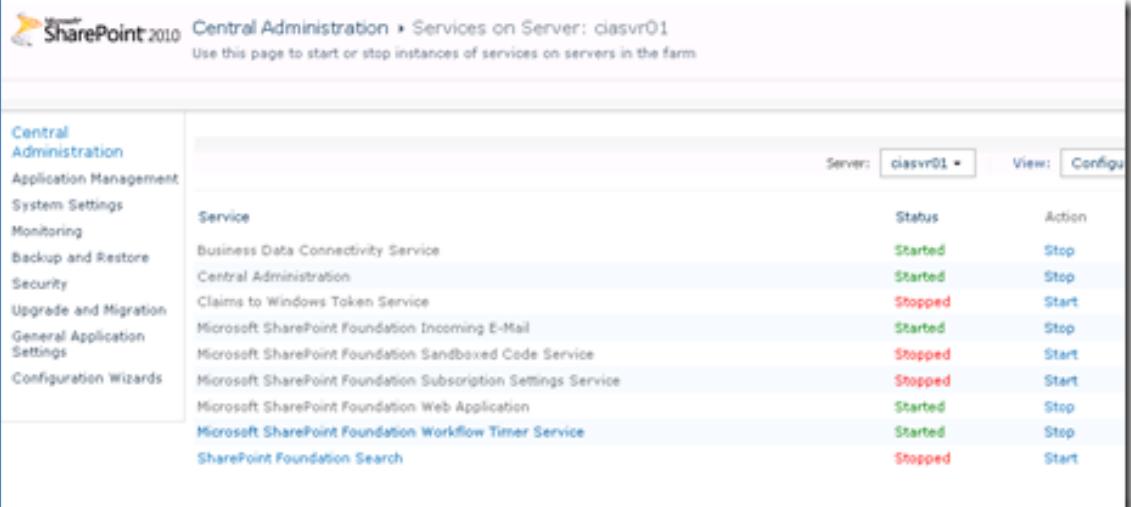
Click Start | All Programs | Microsoft SharePoint 2010 Products | SharePoint 2010 Central Administration.

Accept the UAC.



Under the **System Settings** heading select **Manage services on server**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



The screenshot shows the SharePoint Central Administration Services on Server page for the server clasvr01. The left navigation menu includes options like Central Administration, Application Management, System Settings, Monitoring, Backup and Restore, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards. The main content area displays a table of services with columns for Service, Status, and Action. The services listed are: Business Data Connectivity Service (Started), Central Administration (Started), Claims to Windows Token Service (Stopped), Microsoft SharePoint Foundation Incoming E-Mail (Started), Microsoft SharePoint Foundation Sandboxed Code Service (Stopped), Microsoft SharePoint Foundation Subscription Settings Service (Stopped), Microsoft SharePoint Foundation Web Application (Started), Microsoft SharePoint Foundation Workflow Timer Service (Started), and SharePoint Foundation Search (Stopped). The 'Action' column contains hyperlinks to start or stop each service.

Service	Status	Action
Business Data Connectivity Service	Started	Stop
Central Administration	Started	Stop
Claims to Windows Token Service	Stopped	Start
Microsoft SharePoint Foundation Incoming E-Mail	Started	Stop
Microsoft SharePoint Foundation Sandboxed Code Service	Stopped	Start
Microsoft SharePoint Foundation Subscription Settings Service	Stopped	Start
Microsoft SharePoint Foundation Web Application	Started	Stop
Microsoft SharePoint Foundation Workflow Timer Service	Started	Stop
SharePoint Foundation Search	Stopped	Start

You should see that the *Microsoft Foundation Search* is currently *Stopped*. Click the **Start** hyperlink in the *Action* column.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

<p>Service Account</p> <p>The search service will run using this account.</p> <p>The search service account must not be a built-in account in order to access the database. Examples of built-in accounts are Local Service and Network Service.</p>	<p>Service Account <input type="text" value="SBS2008\robert"/> <input type="button" value="Register new managed account"/></p>
<p>Content Access Account</p> <p>The search service will access all content using this account.</p> <p>The account will be added to the Full Read policy, giving it read-only access to all content.</p> <p>For proper search functionality and information security, do not use an administrator account, and do not use accounts that can modify content.</p>	<p>User name <input type="text" value="sbs2008\robert"/></p> <p>Password <input type="password" value="*****"/></p>
<p>Search Database</p> <p>Use of the default database server and database name is recommended for most cases. Refer to the administrator's guide for advanced scenarios where specifying database information is required.</p> <p>Use of Windows authentication is strongly recommended. To use SQL authentication, specify the credentials which will be used to connect to the database.</p>	<p>Database Server <input type="text" value="ciasvr01\express"/></p> <p>Database Name <input type="text" value="WSS_Search_ciasvr01"/></p> <p>Database authentication</p> <p><input checked="" type="radio"/> Windows authentication (recommended)</p> <p><input type="radio"/> SQL authentication</p> <p>Account <input type="text"/></p> <p>Password <input type="password"/></p>

Enter account details into the *Content Access Account* area.

(*Authors note – this doesn't have to be a domain administrator account. The account you choose will be given full read only rights to the site. It is recommended that you utilize a dedicated account with appropriate security).

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

recommended for most cases. Refer to the administrator's guide for advanced scenarios where specifying database information is required.

Use of Windows authentication is strongly recommended. To use SQL authentication, specify the credentials which will be used to connect to the database.

Database Server
[ciasvr01\express]

Database Name
[WSS_Search_ciasvr01]

Database authentication

Windows authentication (recommended)

SQL authentication

Account
[]

Password
[]

Failover Server

You can choose to associate a database with a specific failover server that is used in conjunction with SQL Server database mirroring.

Failover Database Server
[]

Indexing Schedule

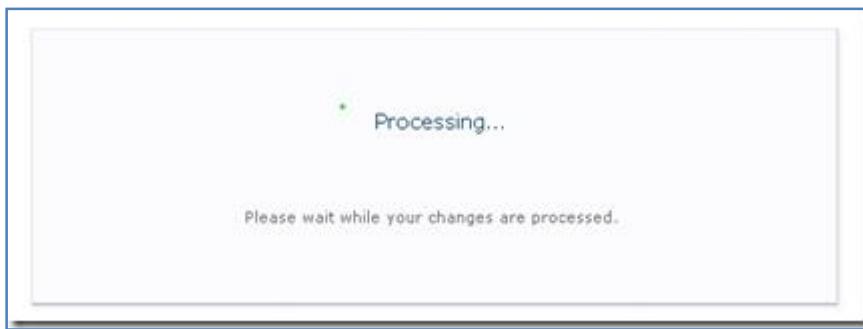
Configure the indexing Schedule.

Indexing schedule:

Minutes Starting every hour between
 Hourly [6] minutes past the hour
 Daily and no later than
[6] minutes past the hour

Scroll down the screen and press the **OK** button.

(*Authors note – You may wish to adjust the default indexing schedule to something more often).



You should see your configuration being saved.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Service	Status	Action
Business Data Connectivity Service	Started	Stop
Central Administration	Started	Stop
Claims to Windows Token Service	Stopped	Start
Microsoft SharePoint Foundation Incoming E-Mail	Started	Stop
Microsoft SharePoint Foundation Sandboxed Code Service	Stopped	Start
Microsoft SharePoint Foundation Subscription Settings Service	Stopped	Start
Microsoft SharePoint Foundation Web Application	Started	Stop
Microsoft SharePoint Foundation Workflow Timer Service	Started	Stop
SharePoint Foundation Help Search	Started	Stop

When complete you will see that the *SharePoint Foundation Help Search* is started.

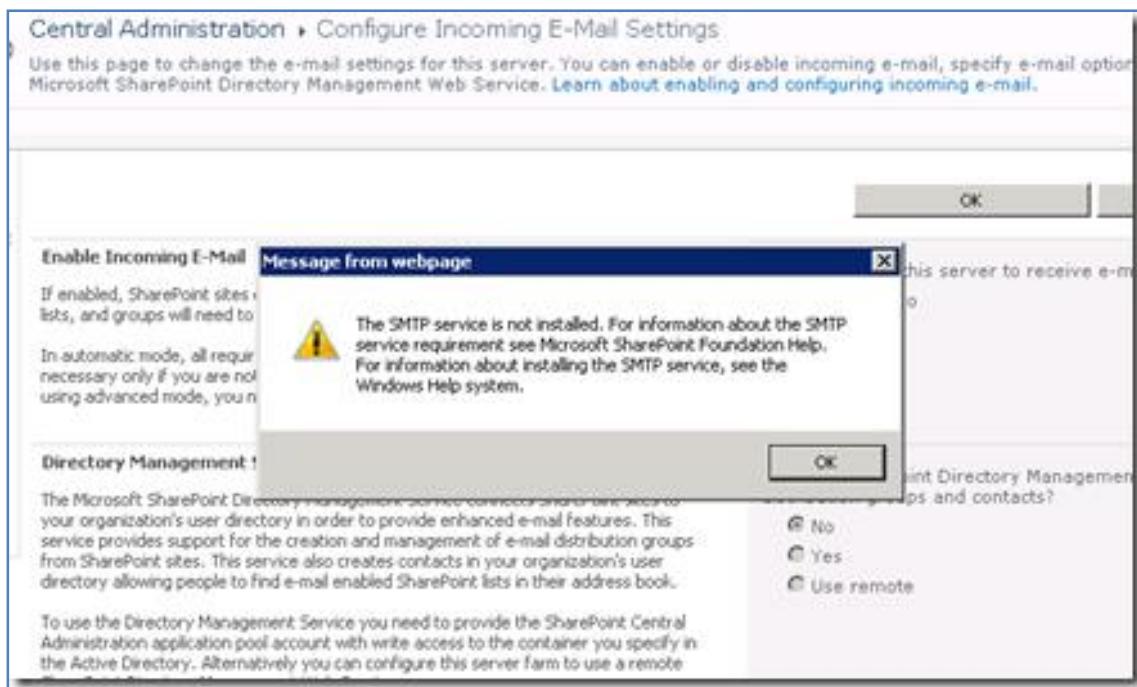
(*Authors note – You see a service of a different name listed. As long as it says Started your search is enabled).



Select **System Settings** from *Central Administration* menu on the left hand side.

Select **Configure incoming e-mail settings** from under the *E-Mail and Text Messages (SMS)* section.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Press **OK** to accept the warning message about an SMTP service not being installed.

Enable Incoming E-Mail

If enabled, SharePoint sites can receive e-mail and store incoming messages in lists. Sites, lists, and groups will need to be configured individually with their own e-mail addresses.

In automatic mode, all required settings are retrieved automatically. Advanced mode is necessary only if you are not using the SMTP service to receive incoming e-mail. When using advanced mode, you need to specify the e-mail drop folder.

Directory Management Service

The Microsoft SharePoint Directory Management Service connects SharePoint sites to your organization's user directory in order to provide enhanced e-mail features. This service provides support for the creation and management of e-mail distribution groups from SharePoint sites. This service also creates contacts in your organization's user directory allowing people to find e-mail enabled SharePoint lists in their address book.

To use the Directory Management Service you need to provide the SharePoint Central Administration application pool account with write access to the container you specify in the Active Directory. Alternatively you can configure this server farm to use a remote SharePoint Directory Management Web Service.

Incoming E-Mail Server Display Address

Specify the e-mail server address that will be displayed in web pages when users create an incoming e-mail address for a site, list, or group.

This setting is often used in conjunction with the Microsoft SharePoint Directory Management Web Service to provide a more friendly e-mail server address for users to type.

E-Mail Drop Folder

Microsoft SharePoint Foundation checks periodically for incoming e-mail messages from the SMTP service. This setting specifies the folder in which to look for e-mail messages. When incoming e-mail settings are set to automatic mode, the e-mail drop folder is set automatically to the folder specified by the SMTP service.

Note: When incoming e-mail settings are set to advanced mode you need to ensure that the log on account for the Windows service 'WSS_LONG_NAME Timer' has modify

Enable sites on this server to receive e-mail?

No Yes Use remote

Settings mode:

Automatic Advanced

Use the SharePoint Directory Management Service to create distribution groups and contacts?

No Yes Use remote

E-mail server display address:
mylist @ companyweb
For example, mylist@example.com

E-mail drop folder:
c:\inetpub\mailroot\drop
For example, c:\inetpub\mailroot\drop

For *Enable Incoming E-Mail* choose **Yes**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

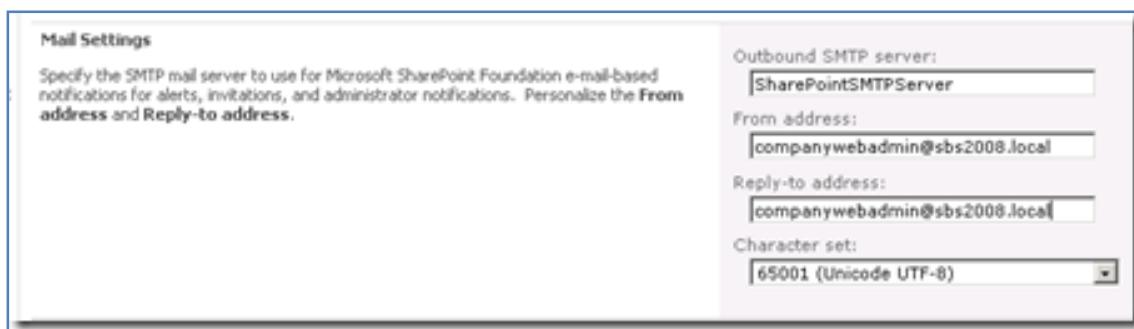
For *Incoming E-Mail Server Display Address* enter **companyweb**.

For *E-Mail Drop Folder* enter **c:\inetpub\mailroot\drop**.

Scroll down the screen and press **OK** to save the configuration.



Under *E-Mail and Text Messages (SMS)* select **Configure outgoing e-mail settings**.



In *Outbound SMTP server* enter **SharePointSMTPServer**.

In the *From address* and *Reply-to address* enter copanywebadmin@domain-name (where domain-name is the name of your organizations Internet domain name).

Ensure that *Character set* is **65001 (unicode UTF-8)**.

Select **OK** to save the changes.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Select **System Settings** and under *Farm Management* select **Configure alternate access mappings**.

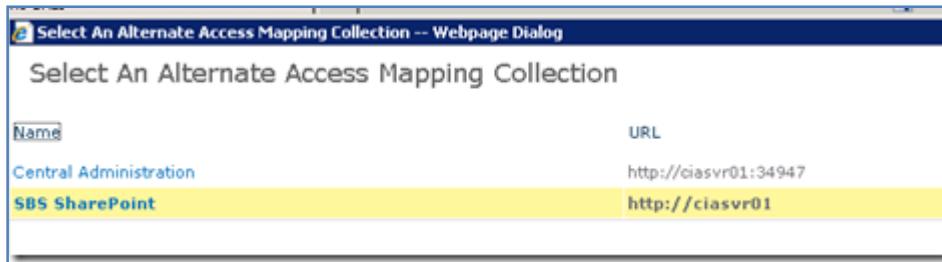
A screenshot showing the 'Alternate Access Mappings' section of the Farm Management page. At the top, there are three buttons: 'Edit Public URLs', 'Add Internal URLs', and 'Map to External Resource'. Below these buttons, a table displays the current mappings:

Now select **Edit Public URLs** from the menu.

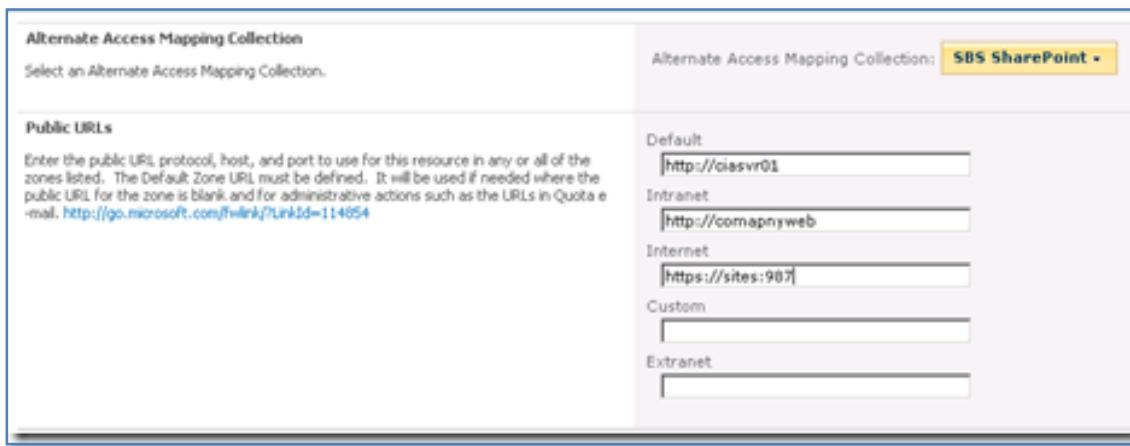
A screenshot of the 'Edit Public URLs' page. It shows a table with two rows of mappings:

Click on the box **No Selection** in the top right of the screen. From the menu that appears select **Change Alternate Access Mapping Collection**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Click on **SBS SharePoint**.



The box should now read *SBS SharePoint*.

Set the *Intranet* box to **http://companyweb**.

If you have already run the Set up your Internet address task in the SBS Console set the *Internet address* to **https://<FQDN>:987**.

If you have not run the Set up your Internet address task in the SBS Console set the *Internet address* to **http://sites:987**.

Press the **Save** button to continue.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The screenshot shows the 'Alternate Access Mappings' section of the SharePoint Central Administration. It lists three entries:

Internal URL	Zone	Public URL for Zone
http://ciasvr01	Default	http://ciasvr01
http://comapnyweb	Intranet	http://comapnyweb
https://sites:987	Internet	https://sites:987

You should now see the additional URLs you just configured displayed.

Return to the main *Central Administration* screen.

The screenshot shows the main menu of the SharePoint Central Administration. The 'Security' link in the left sidebar is highlighted. The right pane displays several security-related links:

- Users
- General Security
- Information policy

Select **Security** from the menu on the left.

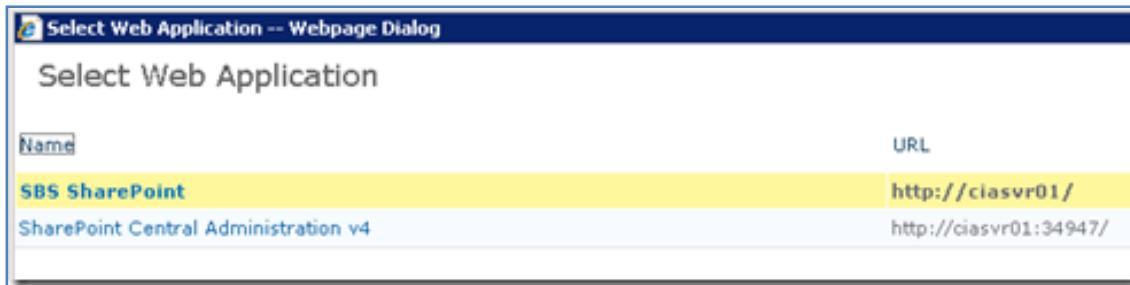
From under *General Security* select **Specify authentication providers**.

The screenshot shows the 'Specify authentication providers' page. At the top right, there is a dropdown menu labeled 'Web Application: http://ciasvr01/'. Below it is a 'Change Web Application' button. The main table lists the configuration for the Default zone:

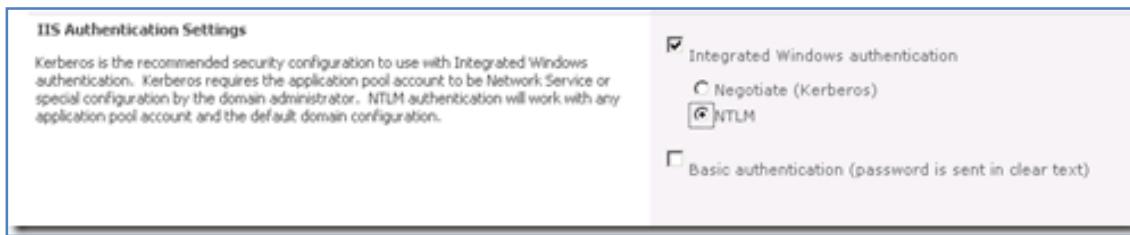
Zone	Membership Provider Name
Default	Windows

Click in the *Web Application* box in the top right of the screen and select **Change Web Application** from the menu that appears.

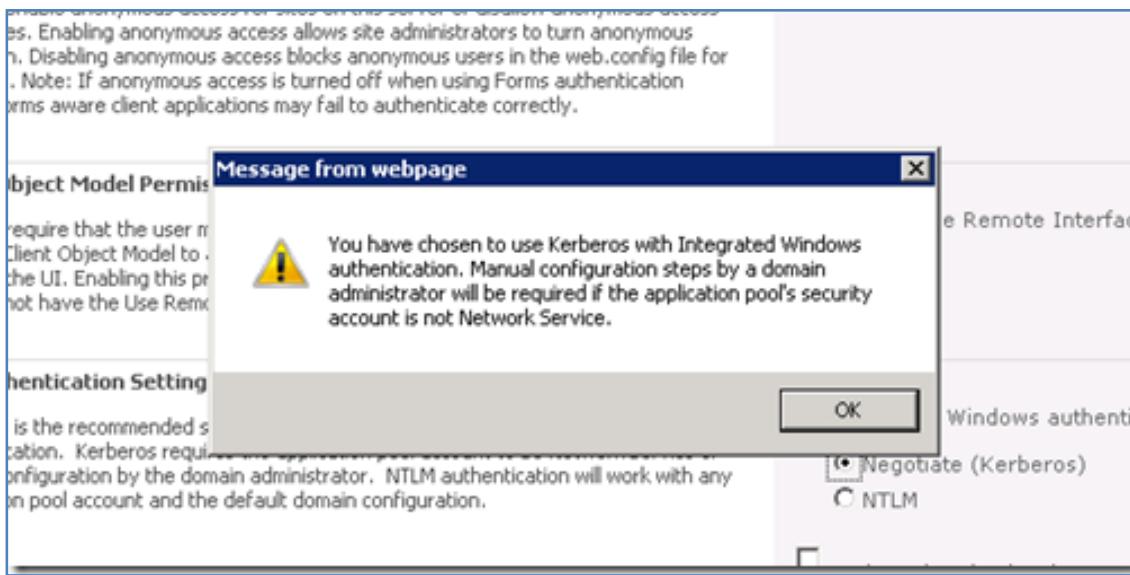
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Select **SBS SharePoint** from the window that appears.



Locate the *IIS Authentication Settings* section which is current set to *NTLM*. Select **Negotiate (Kerberos)**.



The following warning will appear. Click **OK** to continue.

Scroll down the page and save the changes.

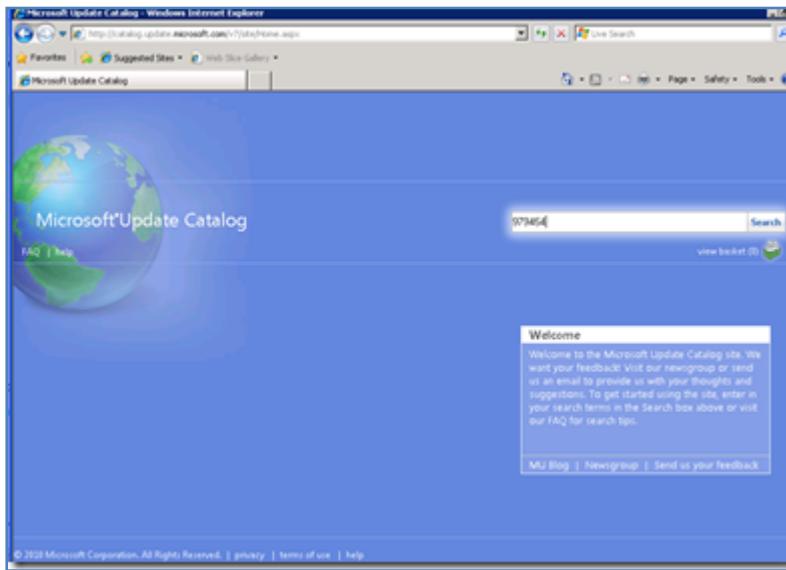
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

The screenshot shows the SharePoint 2010 Central Administration interface. The left navigation pane lists several options: Central Administration, Application Management, System Settings, Monitoring, Backup and Restore, Security, Upgrade and Migration, General Application Settings, and Configuration Wizards. The main content area is titled "Authentication Providers". It displays a table with one row:

Zone	Membership Provider Name
Default	Windows

You will then be returned to the Authentication providers screen.

Step 14 - Install Windows Small Business Server 2008 Update Rollup 4



In a browser visit <http://go.microsoft.com/fwlink/?LinkId=199703>

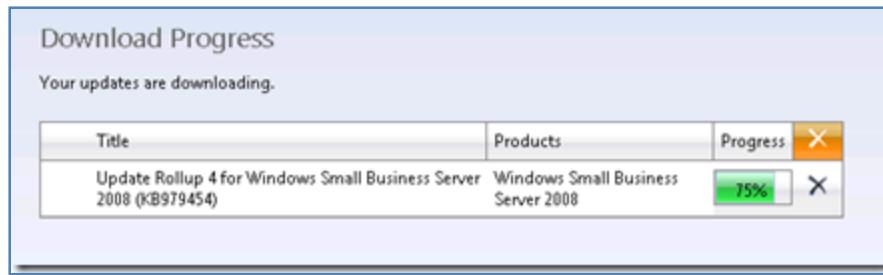
In the search box enter **979454** and press **Search**.

For the item *Update Rollup 4 for Windows Small Business Server 2008 (KB979454)* select **Add**.

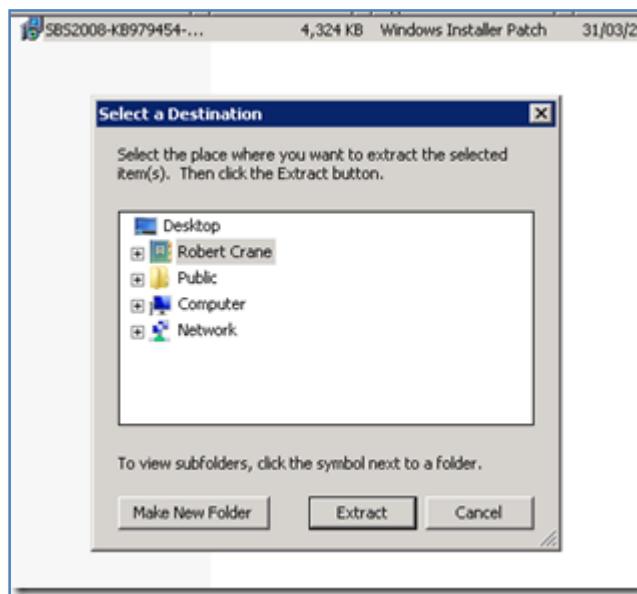
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Click **View basket**.

Click **Download**.



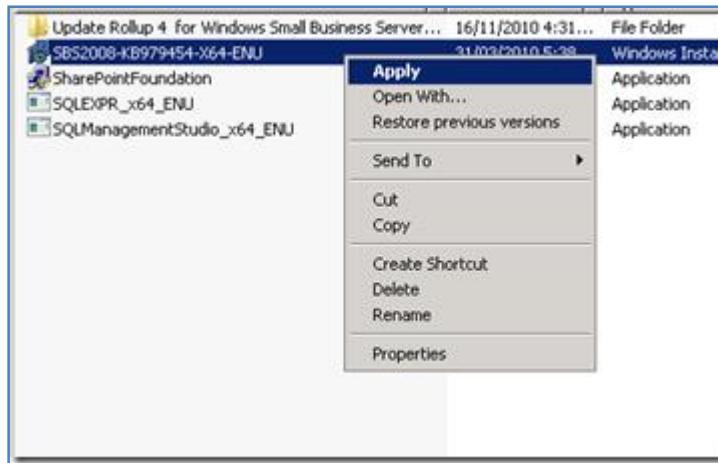
Browse to a folder where you want to save the file and click **Continue**.



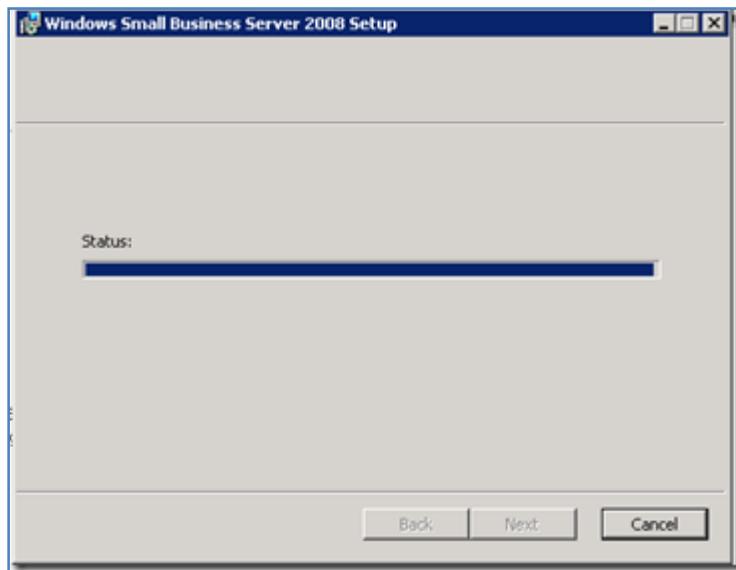
Open the location where you saved the download and open the folder called **Update Rollup 4 for Windows Small Business Server 2008 (KB979454)**.

Double click the CAB file located there. **Double click** the MSP file this displays and enter a location on your disk to extract the file.

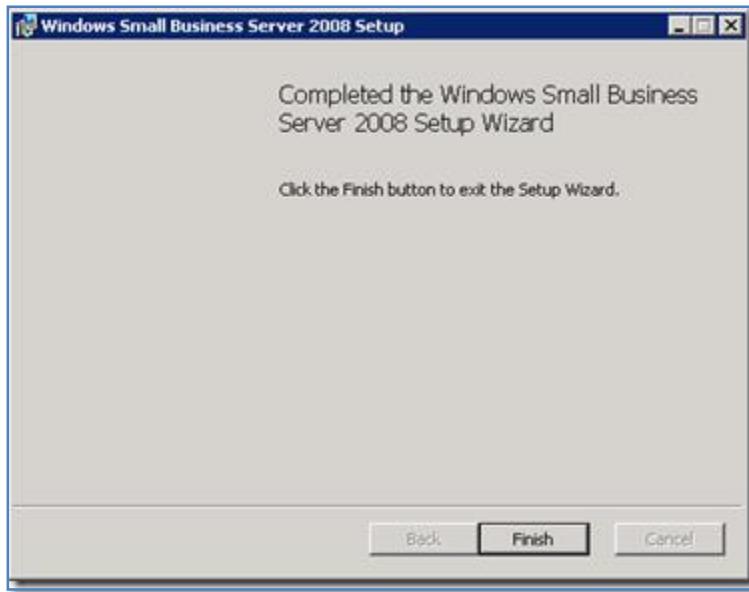
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Right mouse click on this extracted file and select **Apply** from the menu that appears.

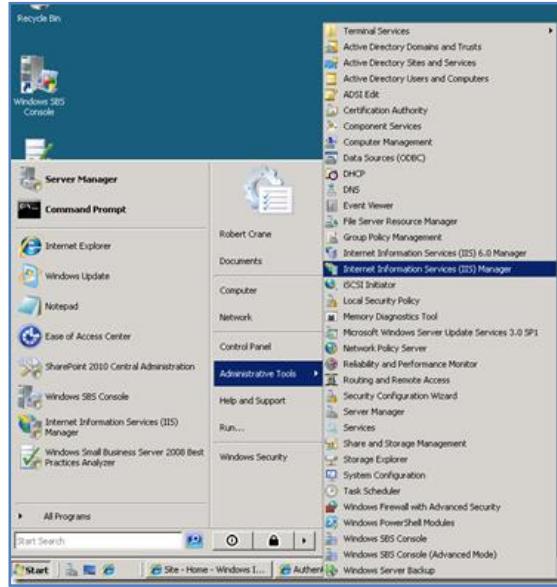


Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



Note that after the process is complete you may need to complete a manual crawl of your data to update the search indexes.

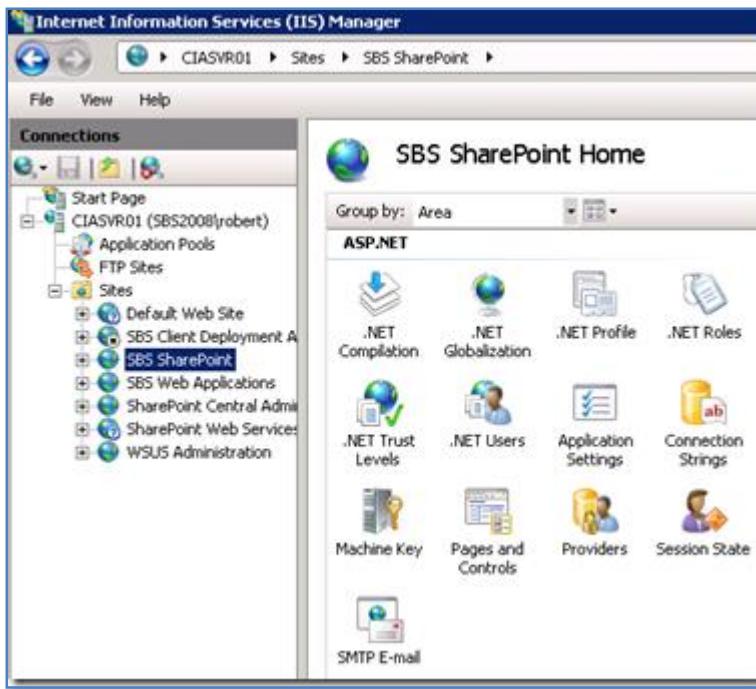
Step 15 - Edit the site bindings for the companyweb site



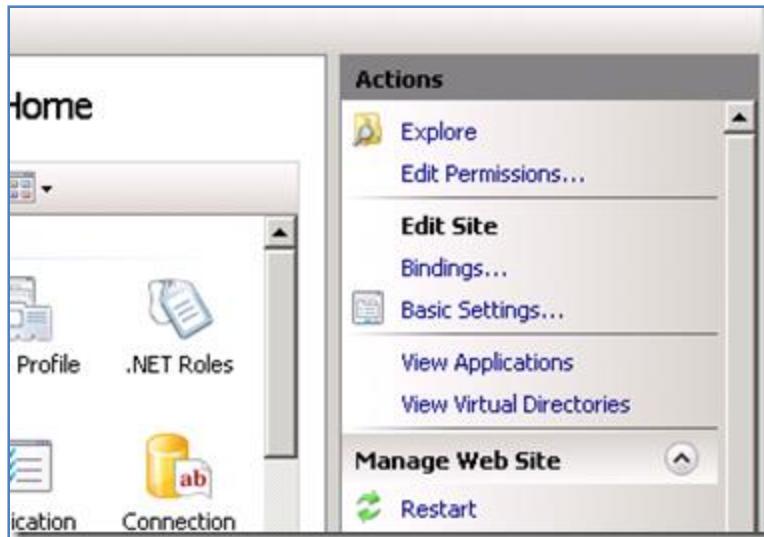
Click **Start | Administrative Tools | Internet Information Services (IIS) Manager**.

Accept the UAC that appears.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

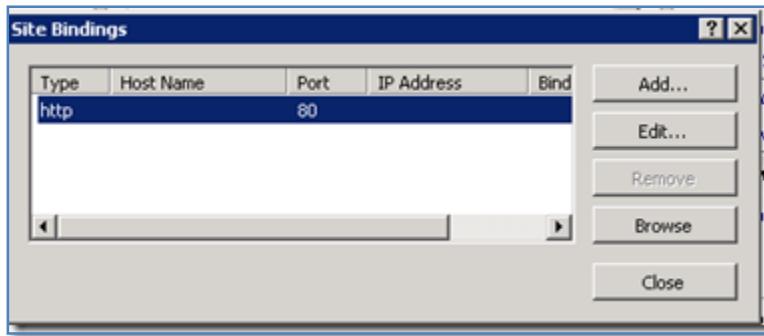


Expand the tree under the *Connections* section on the left of the *IIS Manager* until you see *SBS SharePoint* under *Sites* and **click on it**.



Locate the *Bindings* hyperlink on the top right hand side of the screen in the *Actions* column. Click on **Bindings**.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

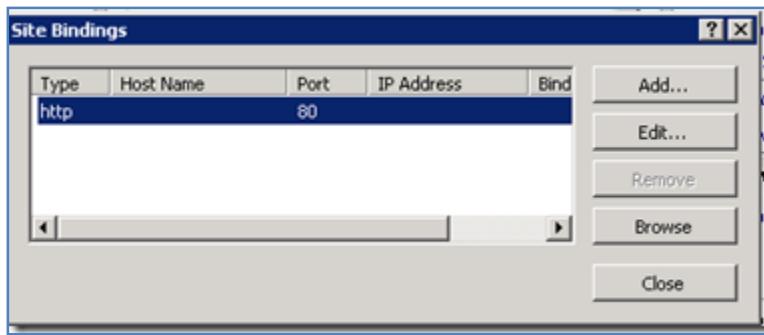


Select the existing **http** item and then press **Edit**.



In the *hostname* field enter **companyweb**.

Press the **OK** button.



Click the **Add** button.

Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

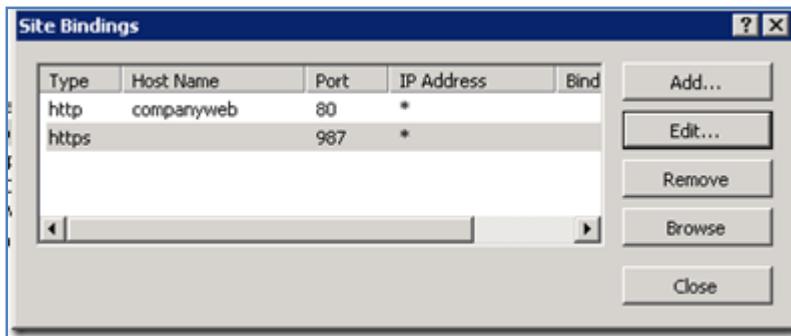


Change the type to **https**.

For the SSL certificate select remote.<domain name> where <domain name> is the name of your internet domain. (**Authors note – not shown here*).

Set the Port = **987**.

Press **OK** to save settings.



(**Authors note – you should see something like shown above*).

The installation process is now complete. You can use SharePoint 2010 Foundation on your SBS 2008 server.

4.5 Conclusion

At this stage a suitable method of installing SharePoint Foundation 2010 beta onto Windows Small Business Server 2008 (SBS) has not been found.

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