

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

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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

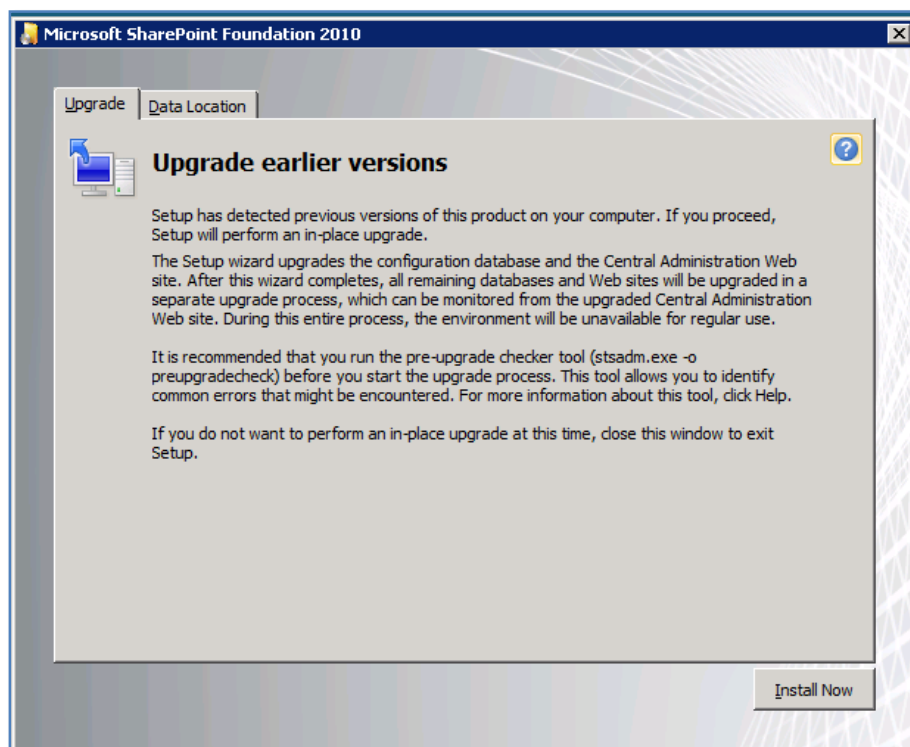
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The first requirement for a successful install of WSF onto SBS 2008 is that the existing version of WSS v3 be uninstalled. More information about doing this is contained in Section **13.28 – Uninstall SharePoint from SBS 2008**.

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

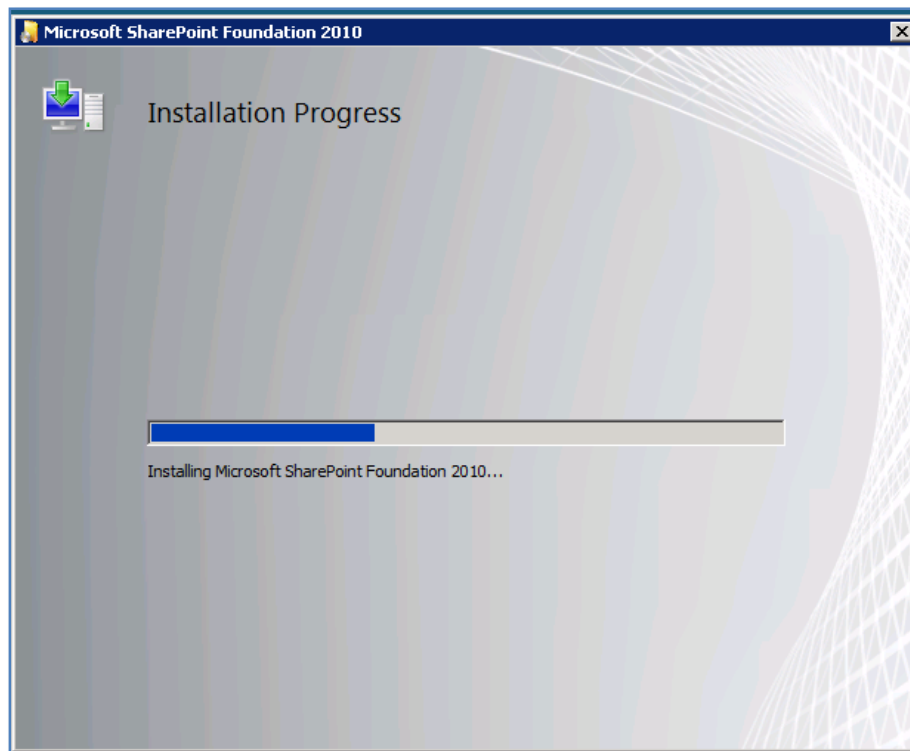
If you attempt to install WSF onto SBS 2008 without firstly uninstalling WSS v3 you will only be given the option to upgrade the existing WSS v3 site. You will see a screen like:



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

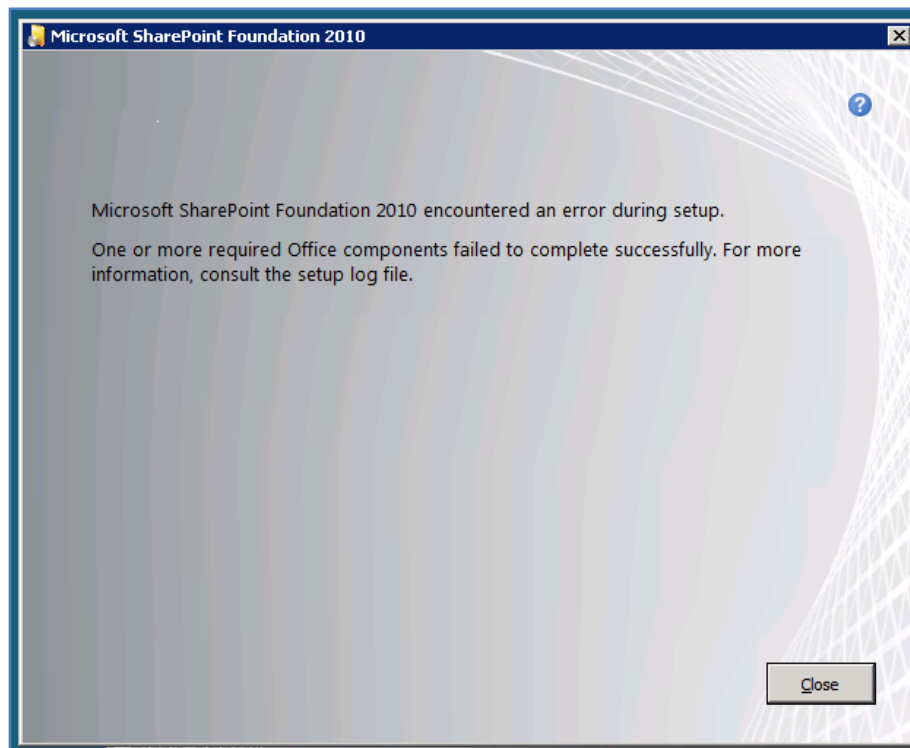
Press the **Install Now** button to continue.

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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.

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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-eeb5f35a80ee&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.

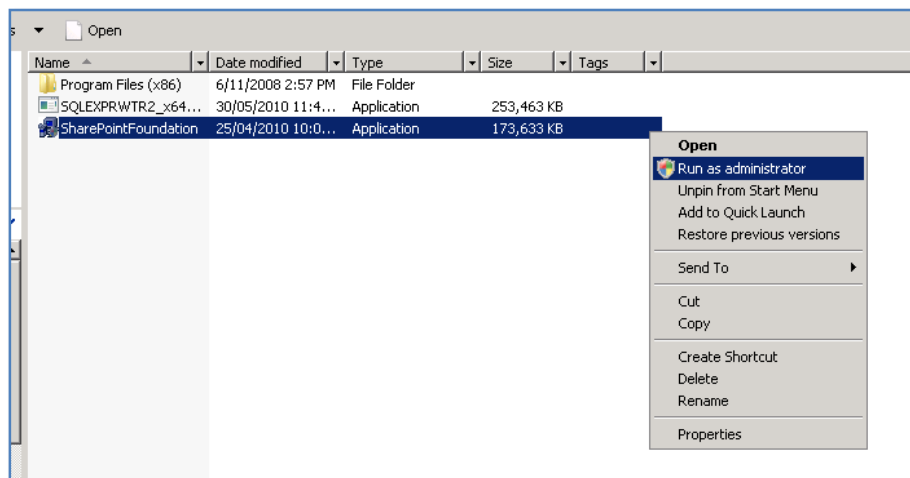
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Also prior to any installation of SQL Server 2008 you will need to uninstall the SQL 2005 Management tools that come as a standard part of SBS 2008. You can do this by using the Programs icon from the Control Panel.

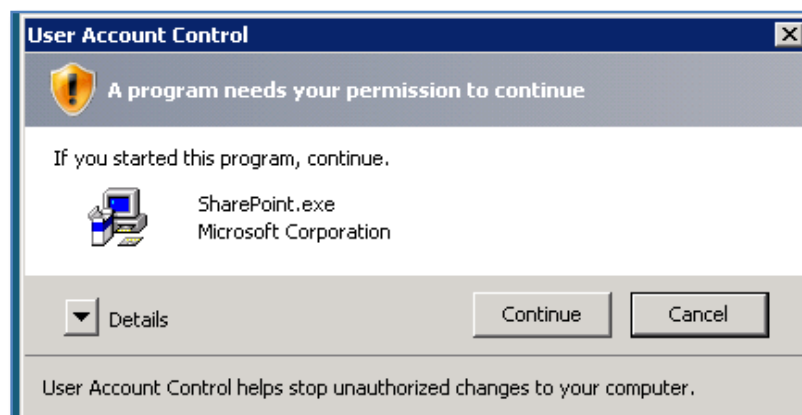
There are also a number of software prerequisites that need to be installed prior to install SharePoint Foundation 2010 on SBS 2008 and it may be appropriate to complete these prior to commencing the WSF installation since some require a server reboot.

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.



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

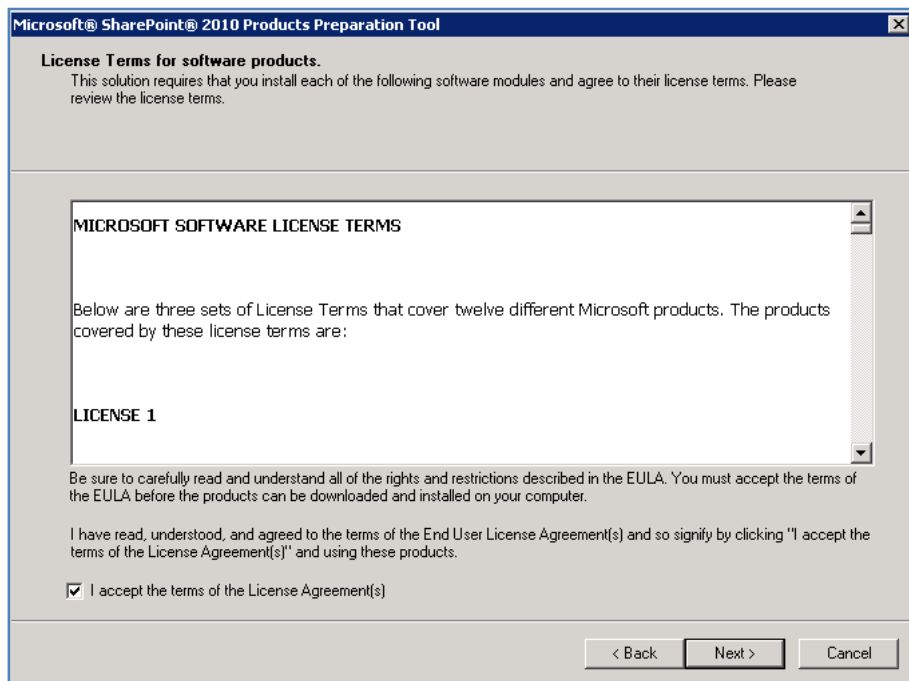


You will now see the WSF splash screen. Select the option under the *Install* heading **Install software prerequisites** to continue.

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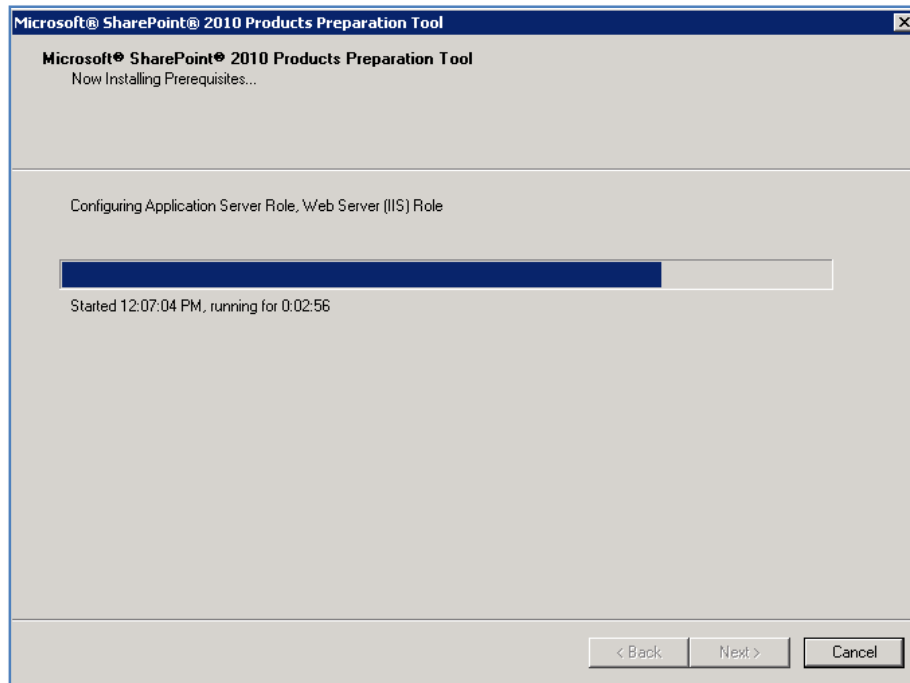


You will see the following *Preparation Tool* screen. Press the **Next** button to continue.

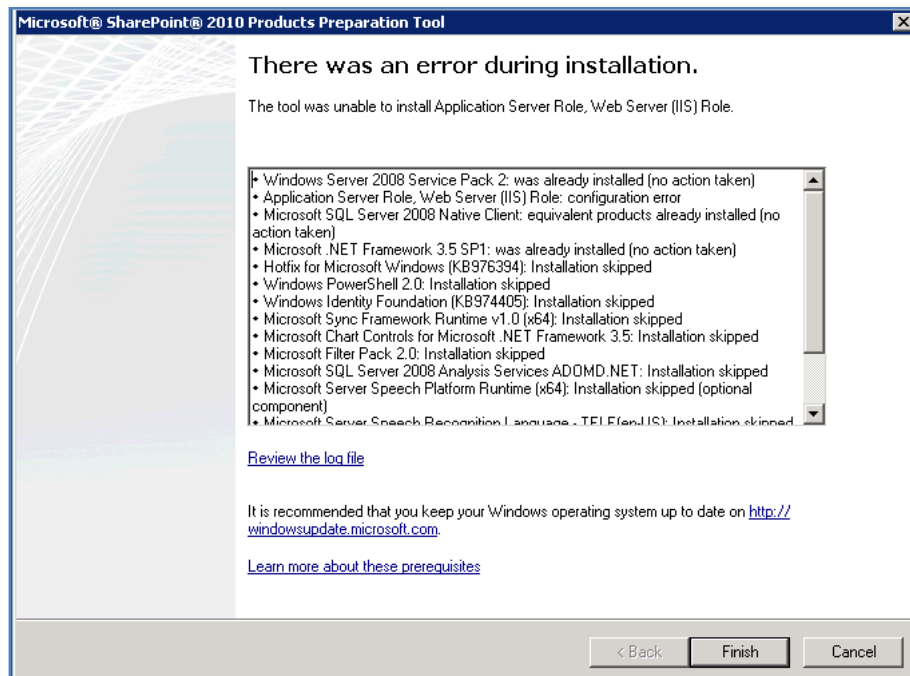


Select the check box *I accept the terms of License Agreement(s)* and press the **Next** button to continue.

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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

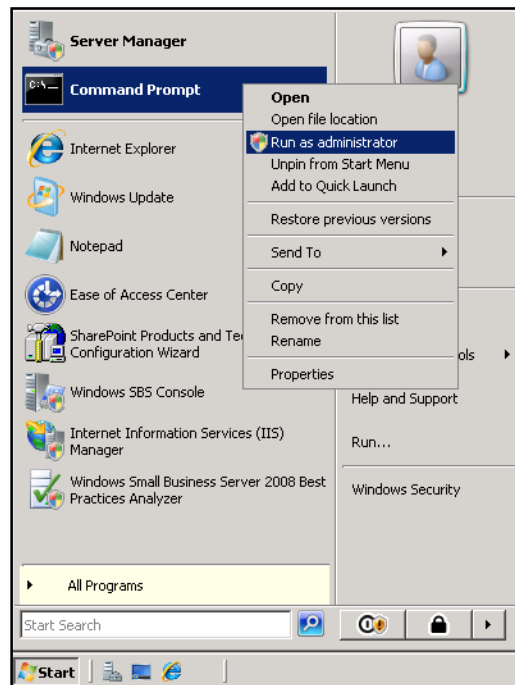
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required items are not installed by this process as they would be if WSF was installed on a stand alone server. Such components may need to be installed manually prior to WSF being installed.

Press the **Finish** button to proceed.

Extraction of PrerequisiteInstaller.exe installation of prerequisites.

Download the file sharepointfoundation.exe and save locally.



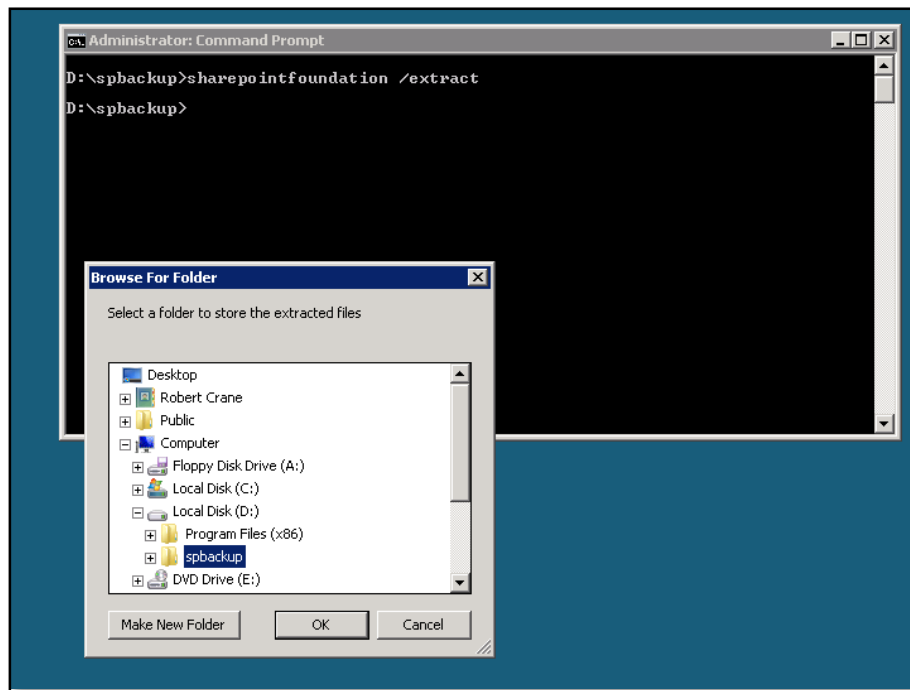
Run an *administrator command* prompt by pressing **Start** then **right mouse clicking** on the *Command Prompt* icon in the *Start* menu and selecting **Run as Administrator** when the menu appears. Accept the *User Account Control* window that now appears to continue.

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

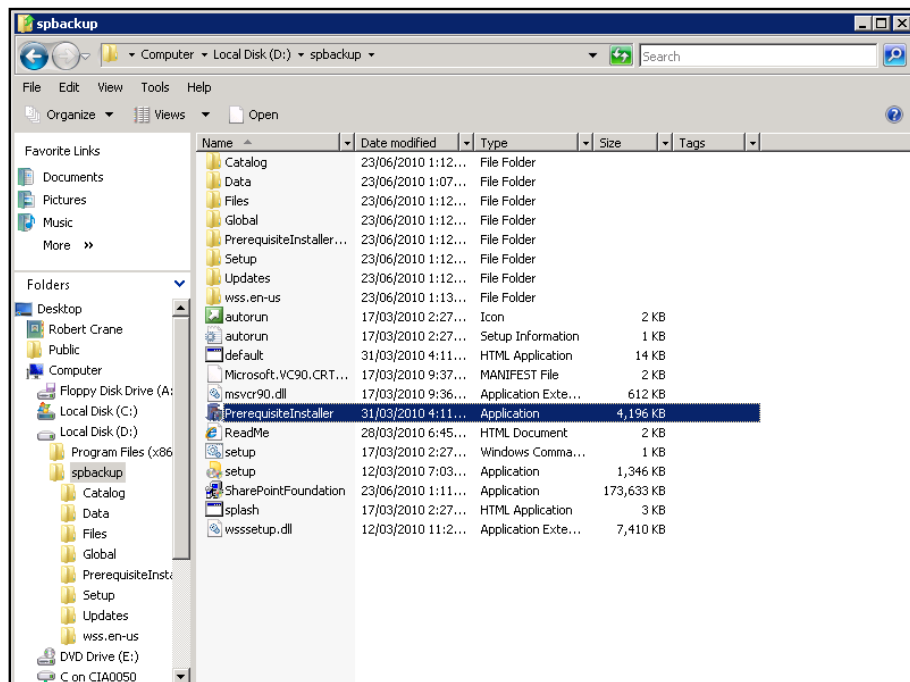
Sharepointfoundation /extract

And press **Enter**.

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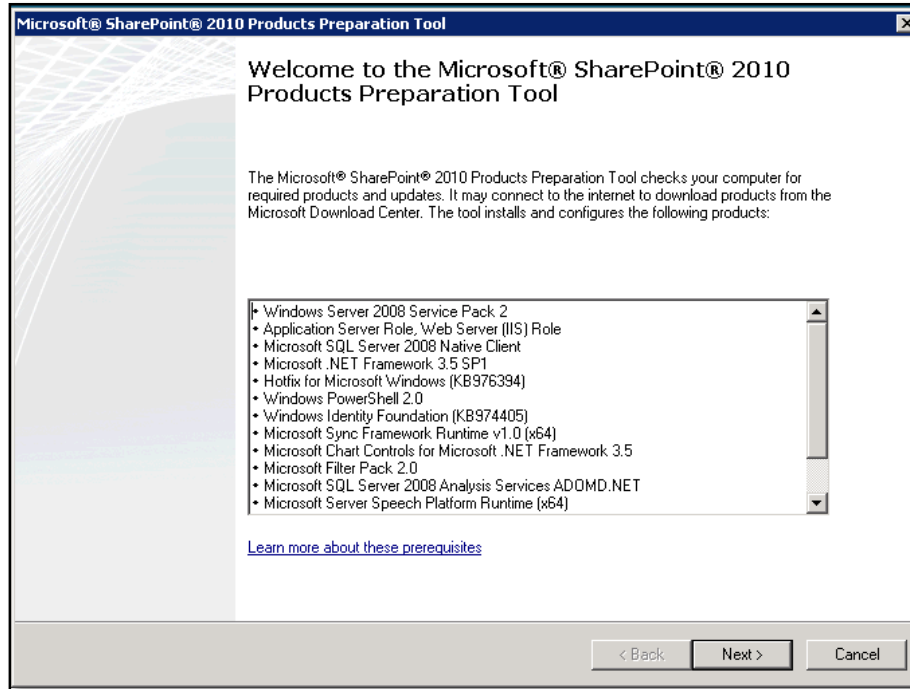


You will then be prompted for a location in which to extract the files. Navigate to suitable location and press **OK** to proceed.



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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.

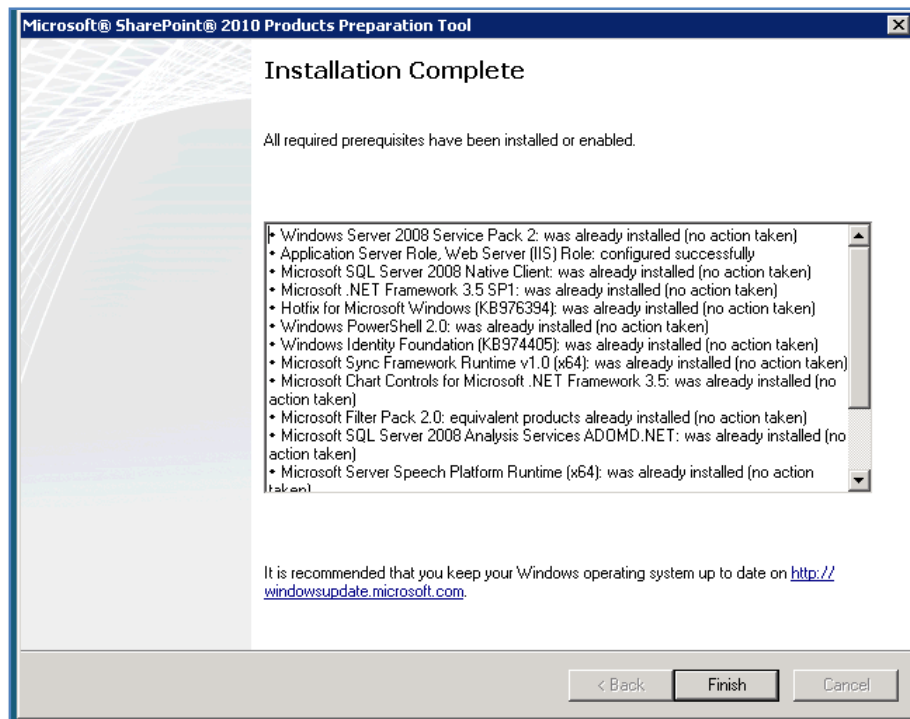


Press the **Next** button to commence the installation of the software.

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:

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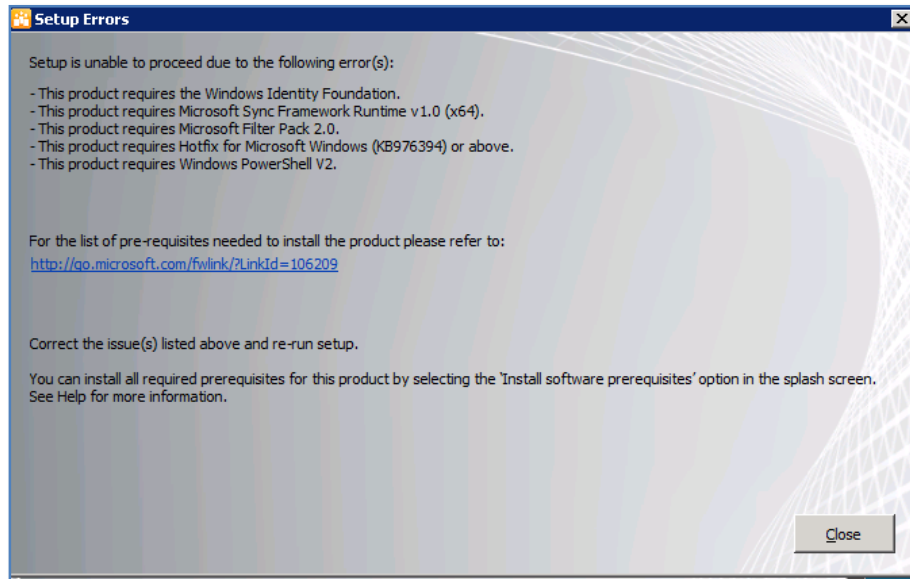
This now indicates the prerequisites have been installed and you can proceed to the installation of WSF.

Installing SharePoint Foundation



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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.

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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.

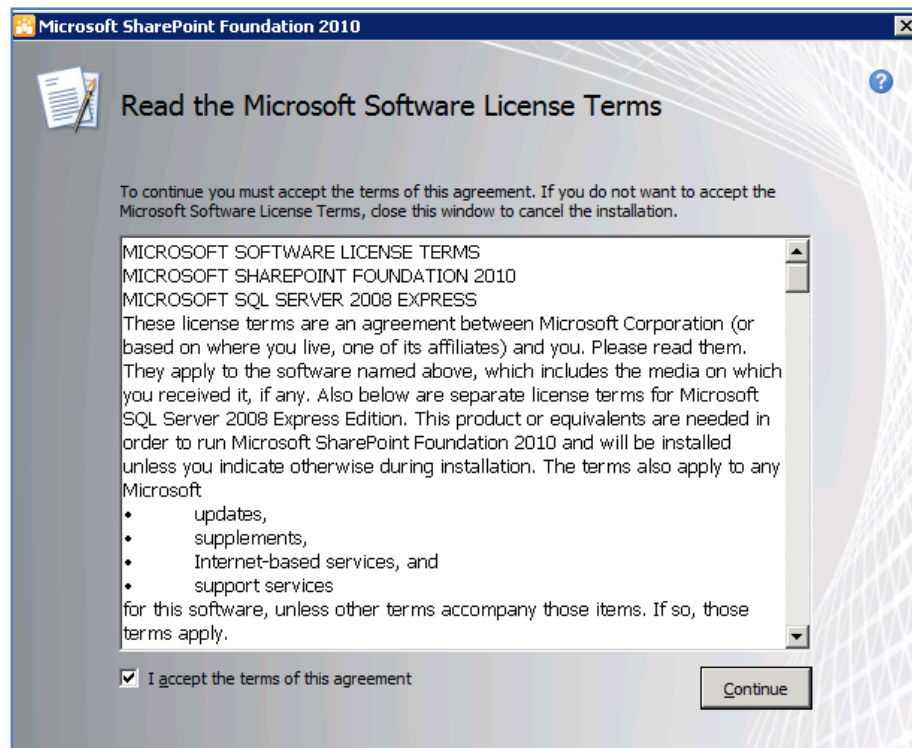
As this is probably the first reboot of the server that has been performed after also installing a supported version of SQL Server it is recommended that you limit the memory usage of the new SQL Server.

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

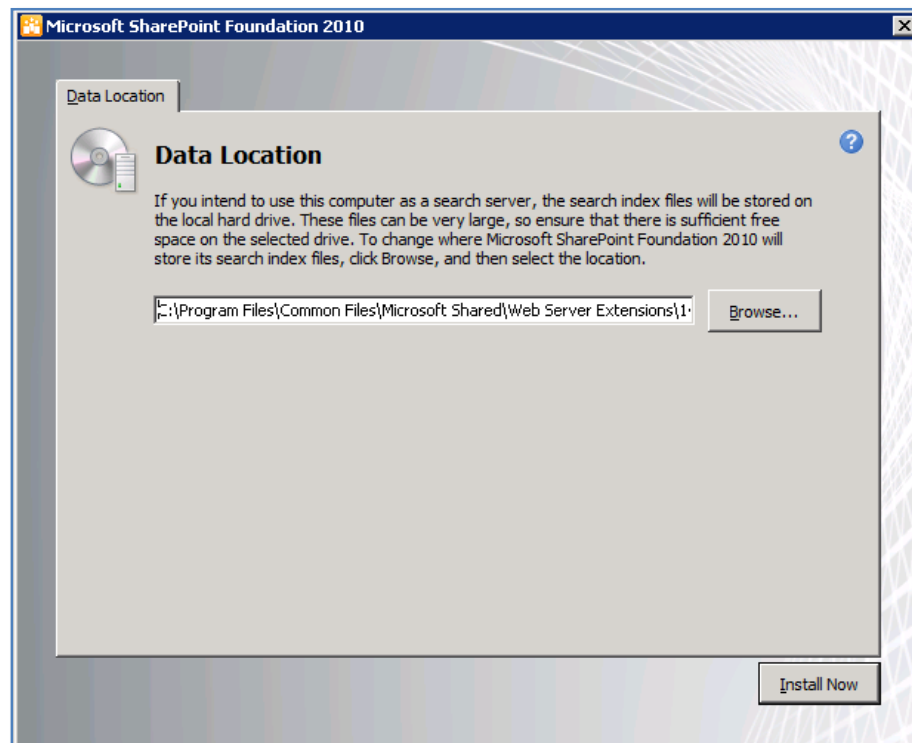


At the splash screen select **Install SharePoint Foundation** from the *Install* section.

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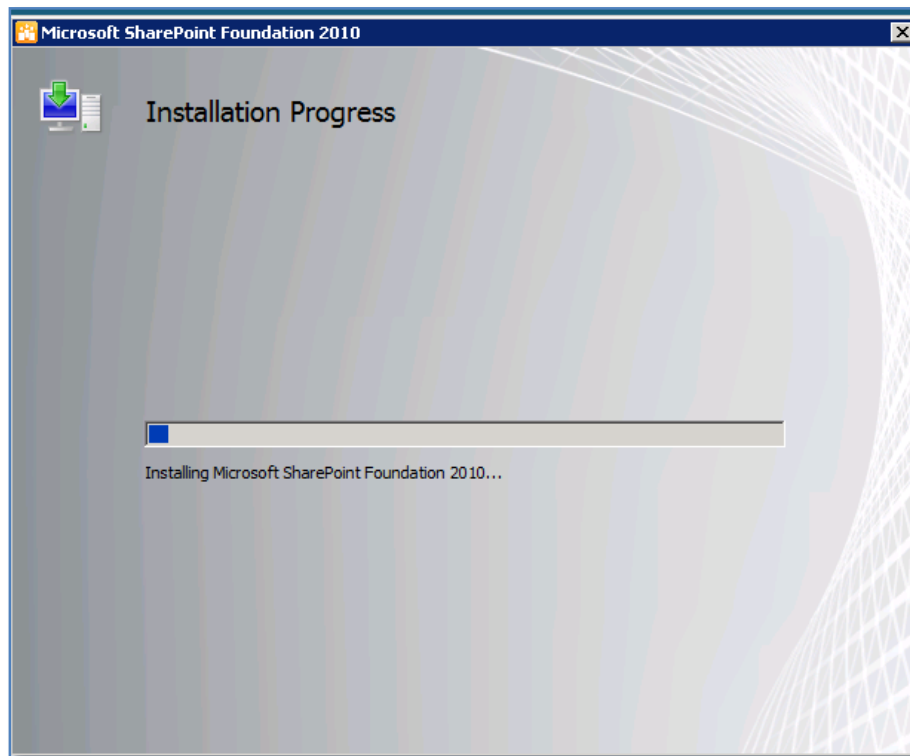
At the License screen select **I accept the terms of this agreement** and press the **Continue** button.



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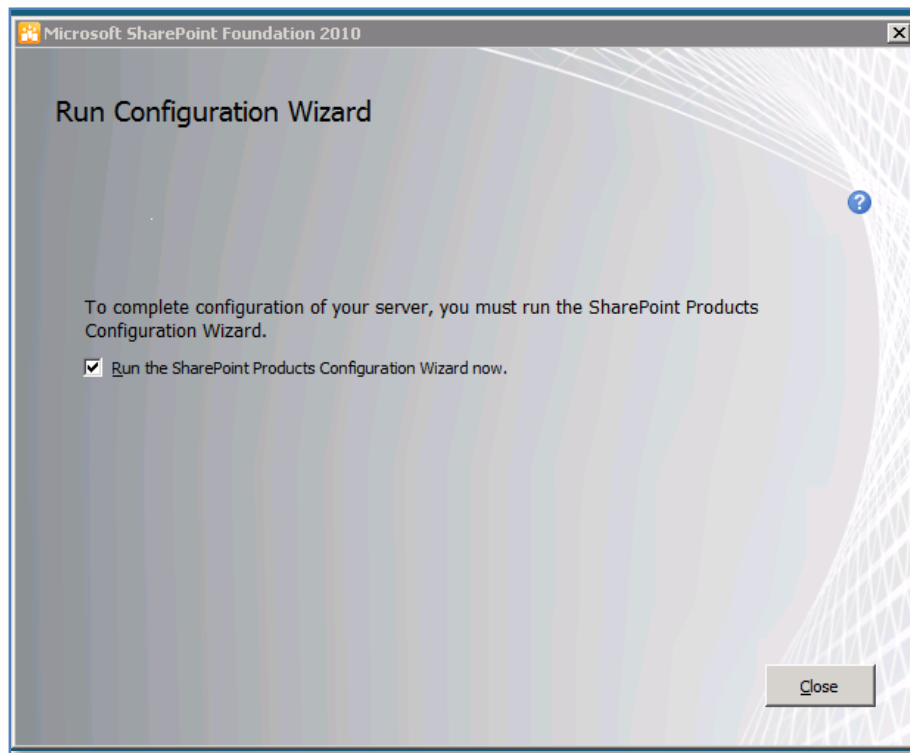
Select the data location. As WSF will include search functionality it is recommended that you place the data location on a drive other than the boot drive (which is typically C: drive).

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



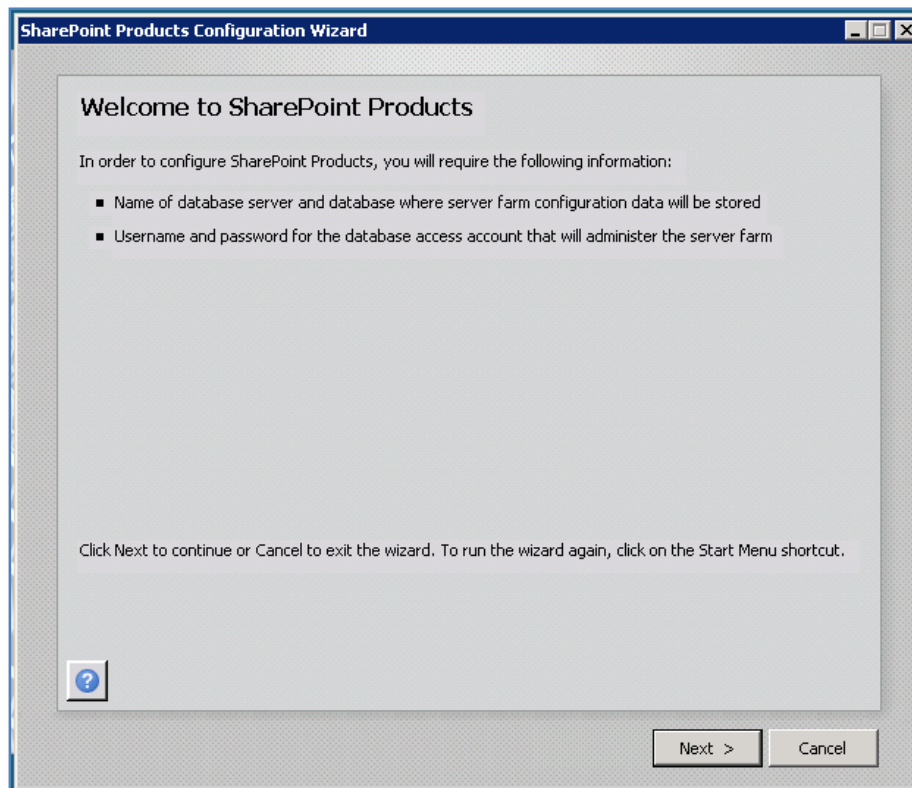
WSF will now commence installing files as indicated by the progress bar across the screen. Note that there is no way to cancel this process which may take several minutes to complete.

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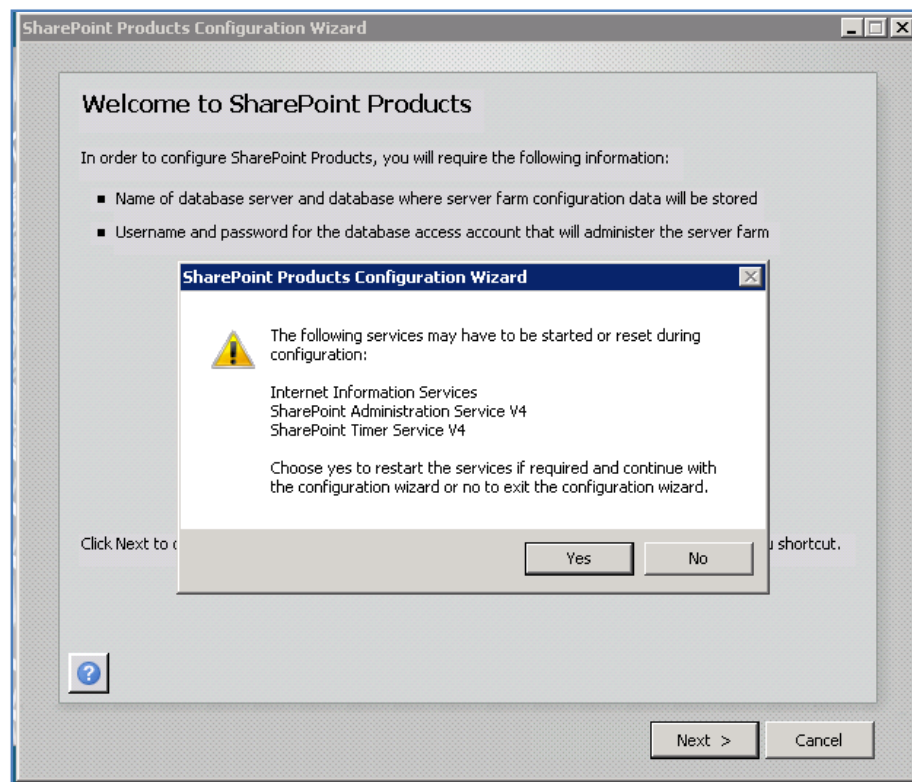
When the process is complete it is recommended that you leave the option *Run the SharePoint Products Configuration Wizard now* checked and press the **Close** button to proceed.

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

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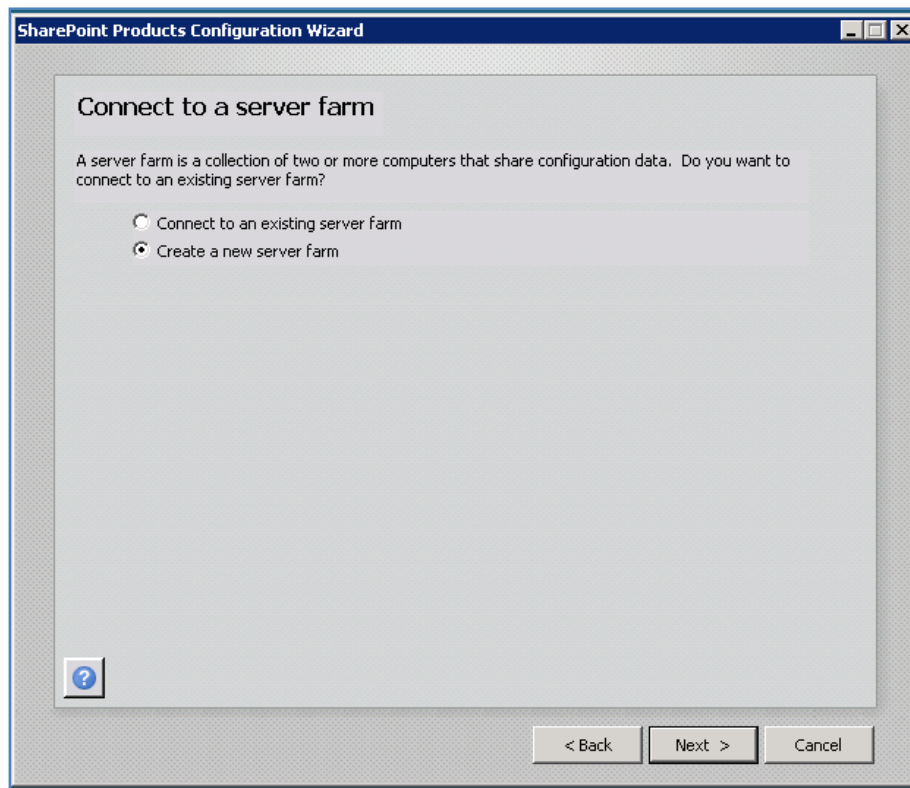


You will be warned that a number of shared server services will be started or reset during this process. These services may affect other applications currently being used. These services are:

- Internet Information Services
- SharePoint Administration Service V4
- SharePoint Timer Service V4

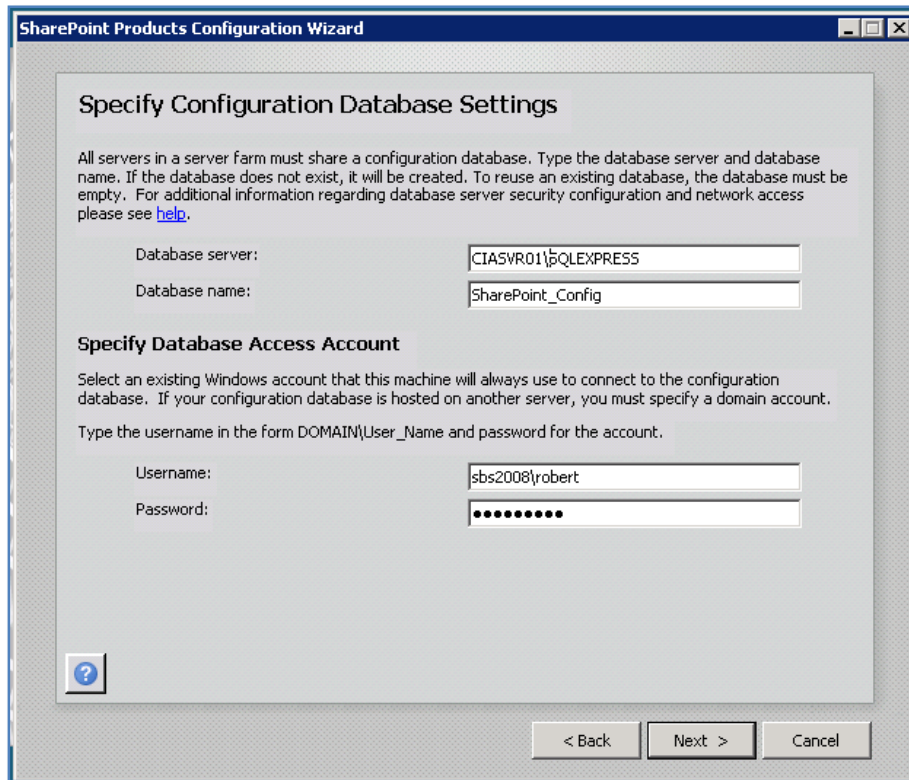
When you are ready to proceed with the configuration press the **Yes** button.

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

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The image shows a screenshot of the 'SharePoint Products Configuration Wizard' window. The title bar reads 'SharePoint Products Configuration Wizard'. The main heading is 'Specify Configuration Database Settings'. Below this, there is a paragraph of text: 'All servers in a server farm must share a configuration database. Type the database server and database name. If the database does not exist, it will be created. To reuse an existing database, the database must be empty. For additional information regarding database server security configuration and network access please see [help](#).' There are two text input fields: 'Database server:' with the value 'CIA5VR01\SQLEXPRESS' and 'Database name:' with the value 'SharePoint_Config'. Below these fields is a section titled 'Specify Database Access Account'. It contains a paragraph: 'Select an existing Windows account that this machine will always use to connect to the configuration database. If your configuration database is hosted on another server, you must specify a domain account. Type the username in the form DOMAIN\User_Name and password for the account.' There are two text input fields: 'Username:' with the value 'sbs2008\robert' and 'Password:' with a masked password '.....'. At the bottom left is a help icon (a question mark in a square). At the bottom right are three buttons: '< Back', 'Next >', and 'Cancel'.

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:

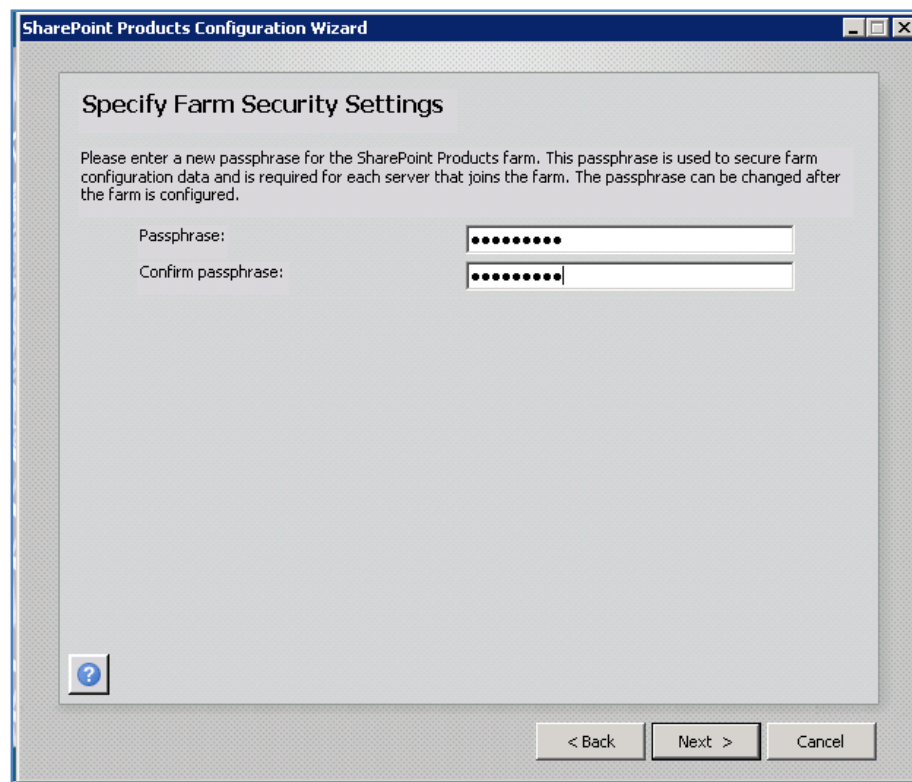
<SERVER_NAME>\<SQL_INSTANCE>

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.

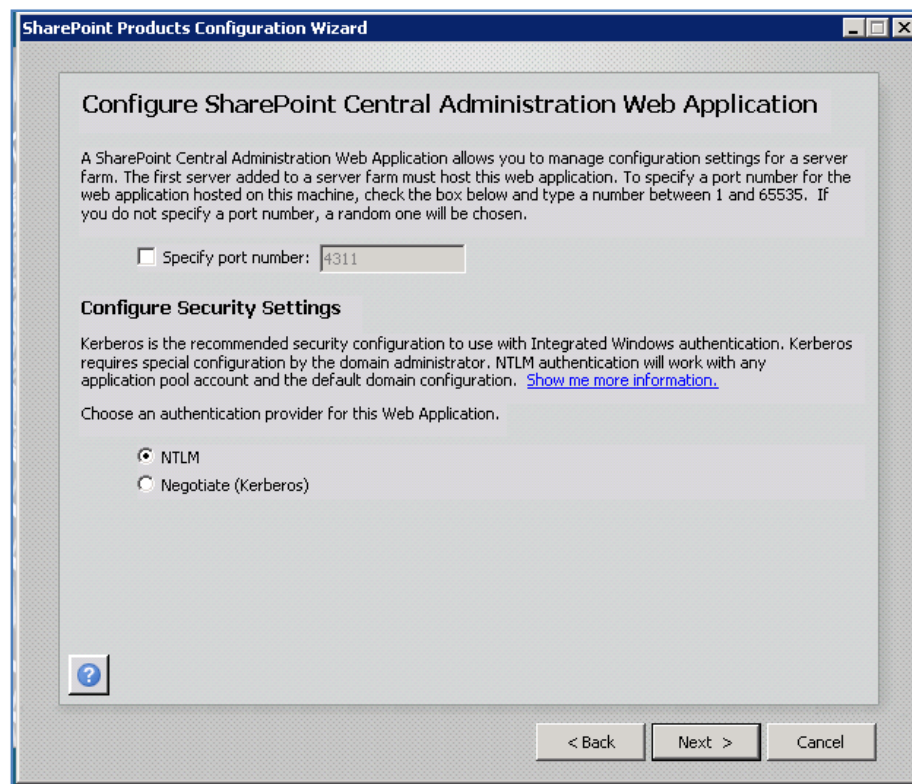
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You will now be prompted to enter a passphrase for securing data on a SharePoint farm. This passphrase is required if you plan to expand your server beyond a single server in the future so it is important to make note of it for later reference.

When complete press the **Next** button.

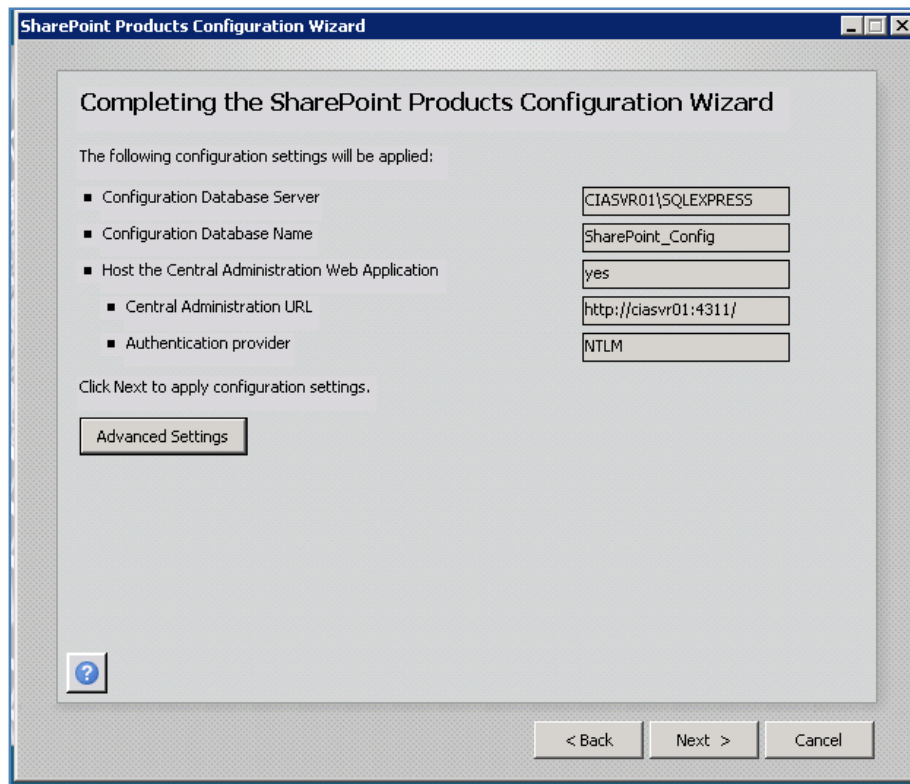
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You are now able to specify a port for the Administration Web application if desired as well as the authentication method. It is recommended that you don't make any changes to the default options shown above.

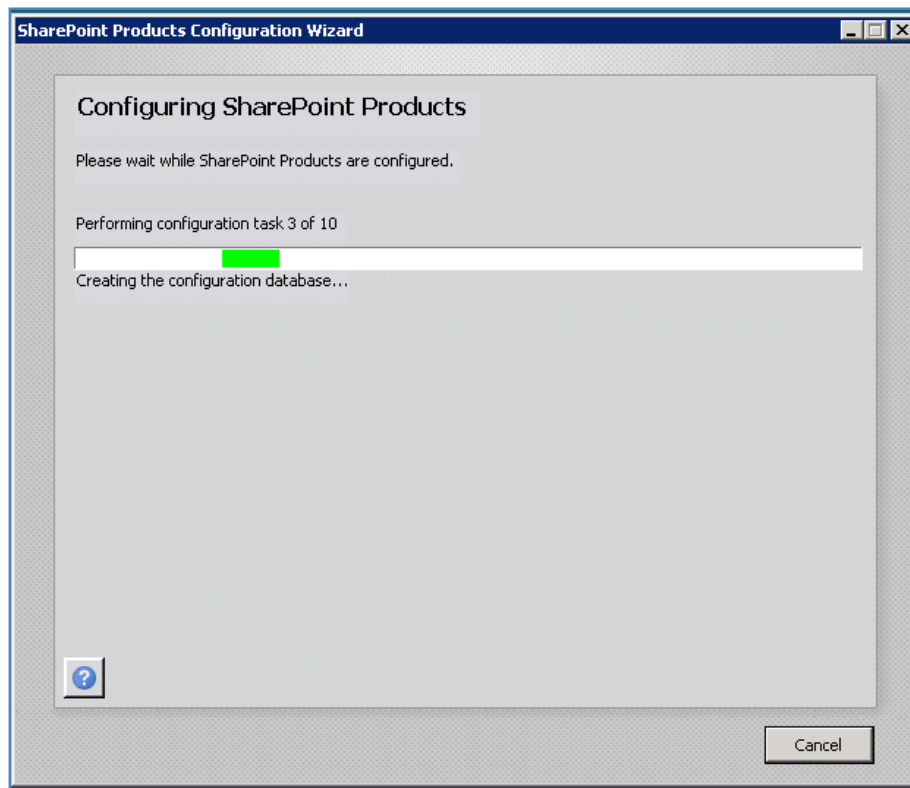
Press the **Next** button to proceed.

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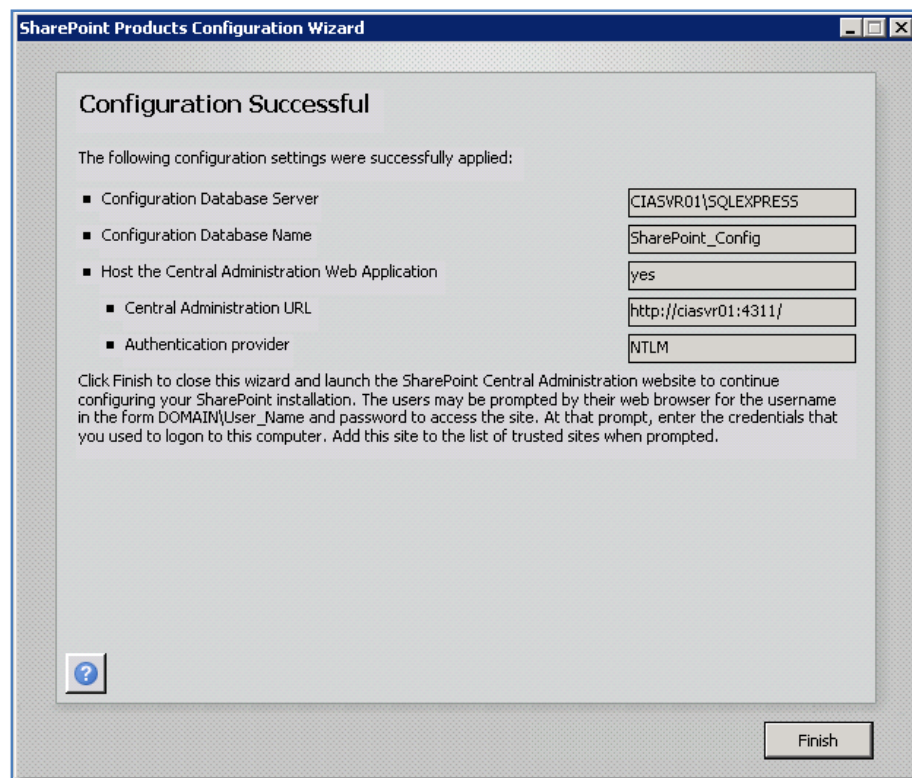
You will now see a summary screen of all the choices you have made. If you are happy with these press the **Next** button to commence the configuration.

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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.

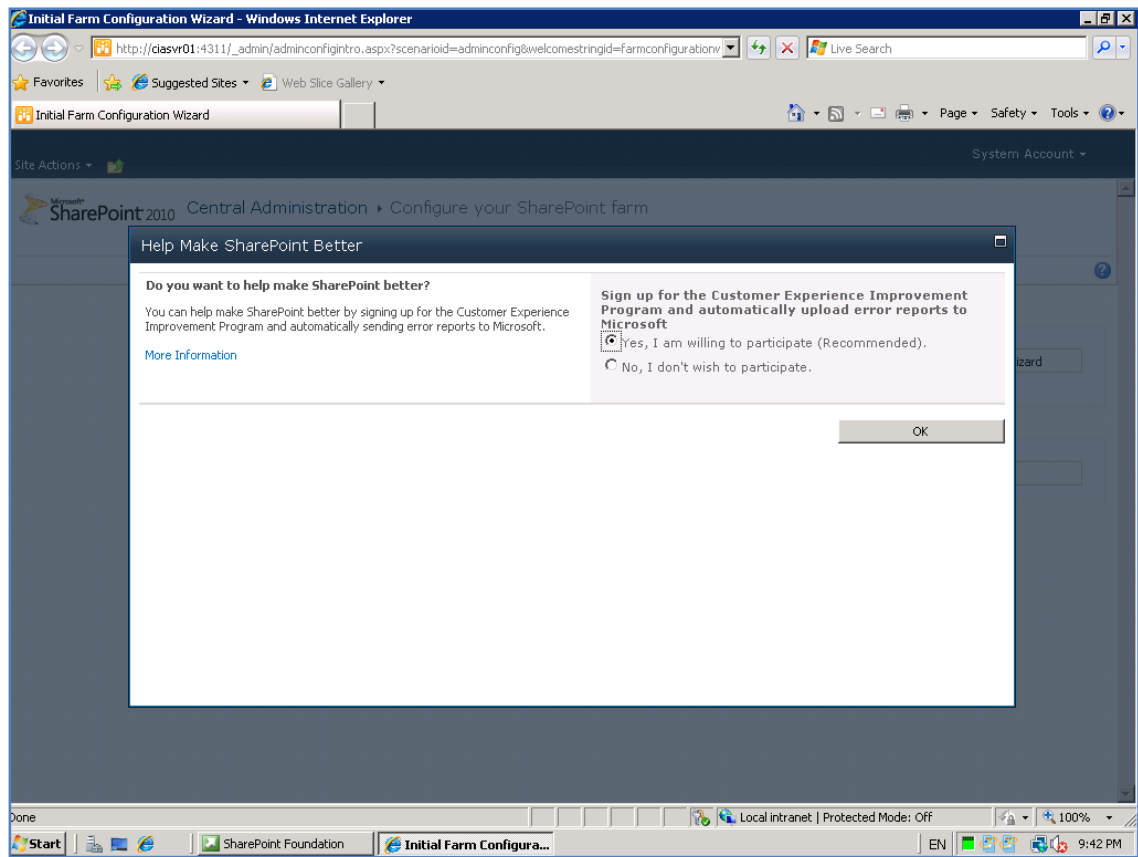
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Once the configuration process has completed you will see a summary screen like that shown above.

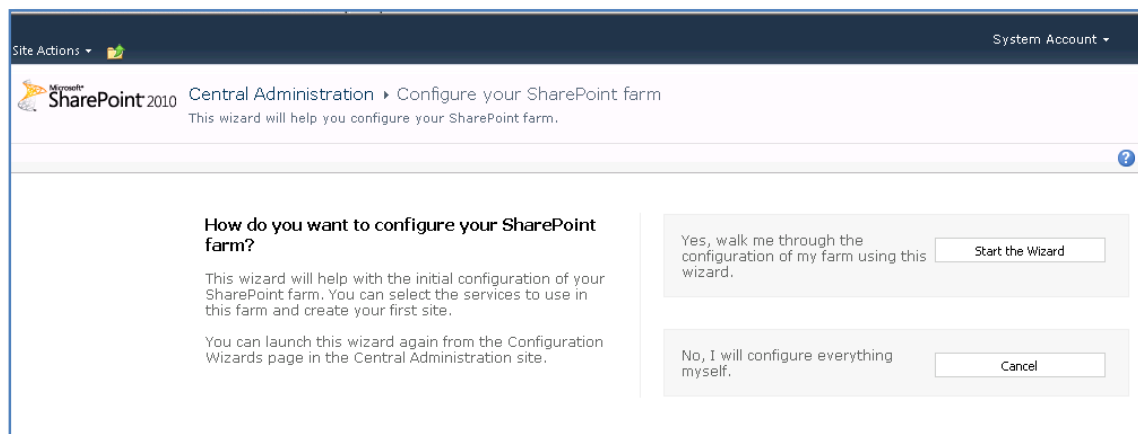
Press the **Finish** button to close this window.

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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.



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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.

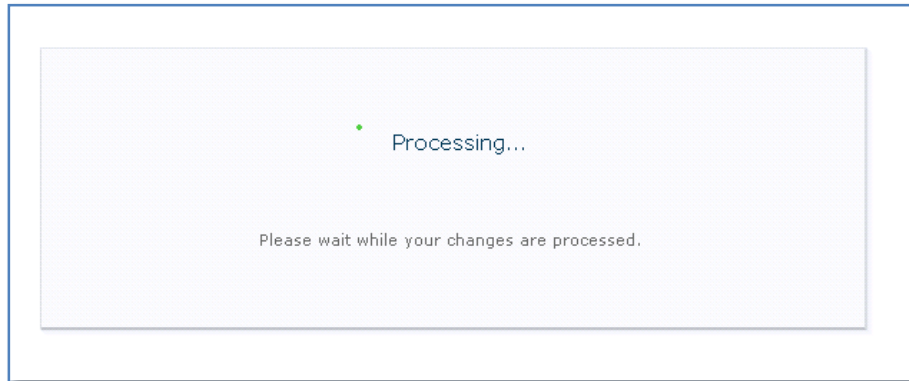
If you wish to configure SharePoint 2010 Foundation as <http://companyweb> please follow the steps under the Manual section listed below.

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.

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Press the **Next** button to continue.



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

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

Title:

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:

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

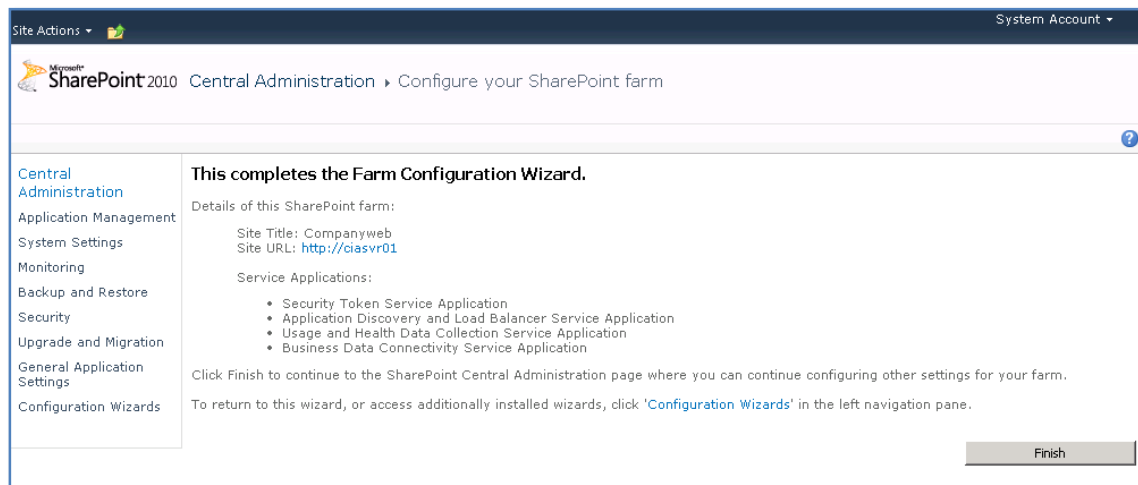
A site for teams to quickly organize, author, and share information. It provides a document library, and lists for managing announcements, calendar items, tasks, and discussions.

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).

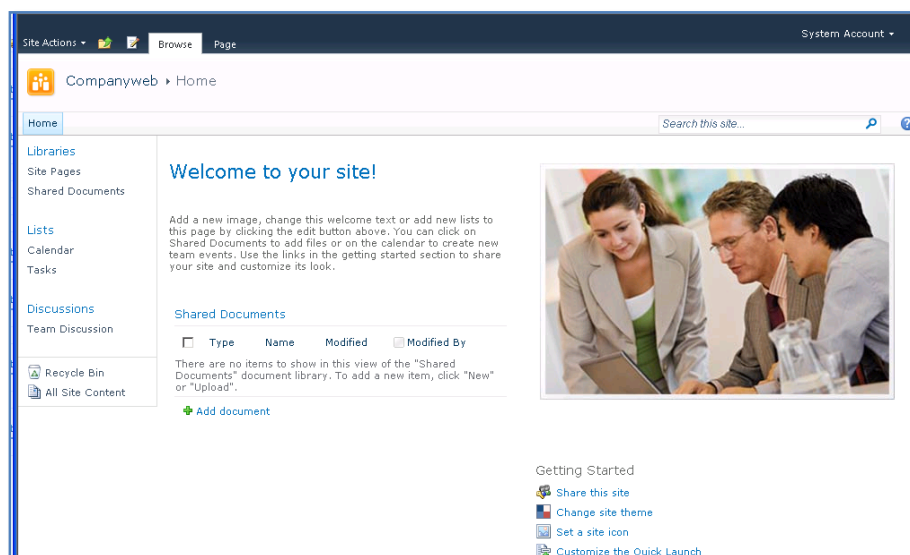
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Press the **OK** button to proceed.



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

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



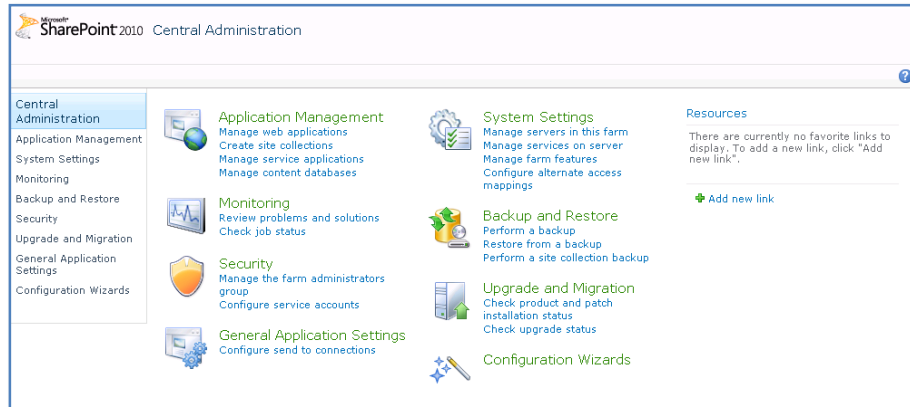
You can now view your WSF site by typing in the name of your server into a browser address line as shown above.

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

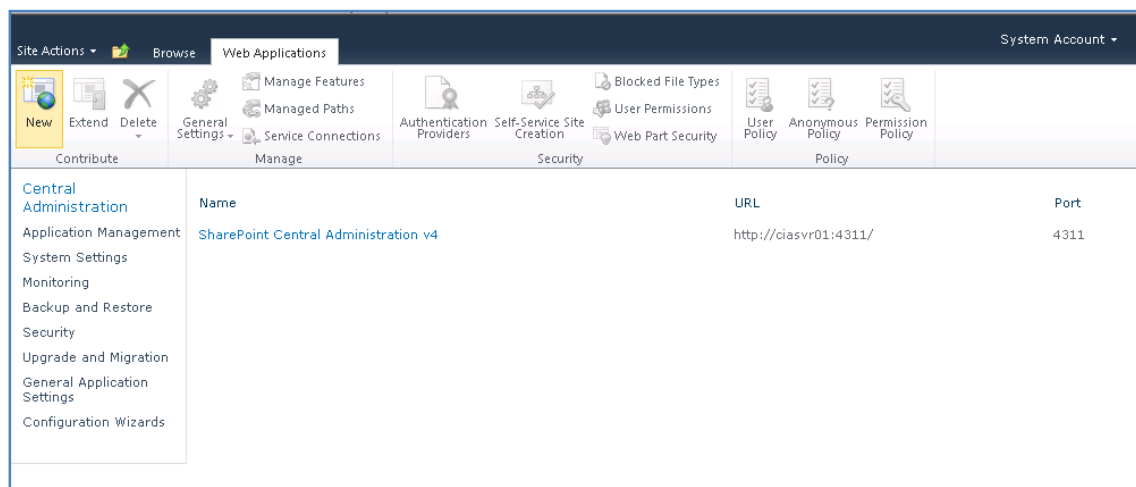
Manual

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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.

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Create New Web Application

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.

OK Cancel

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

987

Host Header

sites

Path

ss Server\Bin\webapp\InternalWebSite

Security Configuration

Kerbberos is the recommended authentication provider.

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.

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Create New Web Application

Security Configuration

Kerberos is the recommended security configuration to use with Integrated Windows authentication. Kerberos requires the application pool account to be Network Service or special configuration by the domain administrator. NTLM authentication will work with any application pool account and the default domain configuration.

If you choose to use Secure Sockets Layer (SSL), you must add the certificate on each server using the IIS administration tools. Until this is done, the web application will be inaccessible from this IIS web site.

Authentication provider:

☐ Negotiate (Kerberos)

☒ NTLM

Allow Anonymous

☐ Yes

☒ No

Use Secure Sockets Layer (SSL)

☒ Yes

☐ No

Public URL

The public URL is the domain name for all sites that users will access in this SharePoint Web application. This URL domain will be used in all links shown on pages within the web application. By default, it is set to the current servername and port.

<http://go.microsoft.com/fwlink?LinkId=114854>

URL

Zone

Application Pool

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

Create New Web Application

Application Pool

Choose the application pool to use for the new web application. This defines the account and credentials that will be used by this service.

You can choose an existing application pool or create a new one.

☐ Use existing application pool
Classic .NET AppPool (Network Service)

☒ Create new application pool
Application pool name: SBS Sharepoint AppPool

Select a security account for this application pool

☐ Predefined
Network Service

☒ Configurable
SBS2008\robert
[Register new managed account](#)

Database Name and Authentication

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: CIASVR01\SQLEXPRESS

Database Name: WSS_Content

Database authentication

☒ Windows authentication (recommended)

☐ SQL authentication
Account:
Password:

Failover Server
Failover Database Server:

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

The screenshot shows the 'Create New Web Application' dialog box with the following sections:

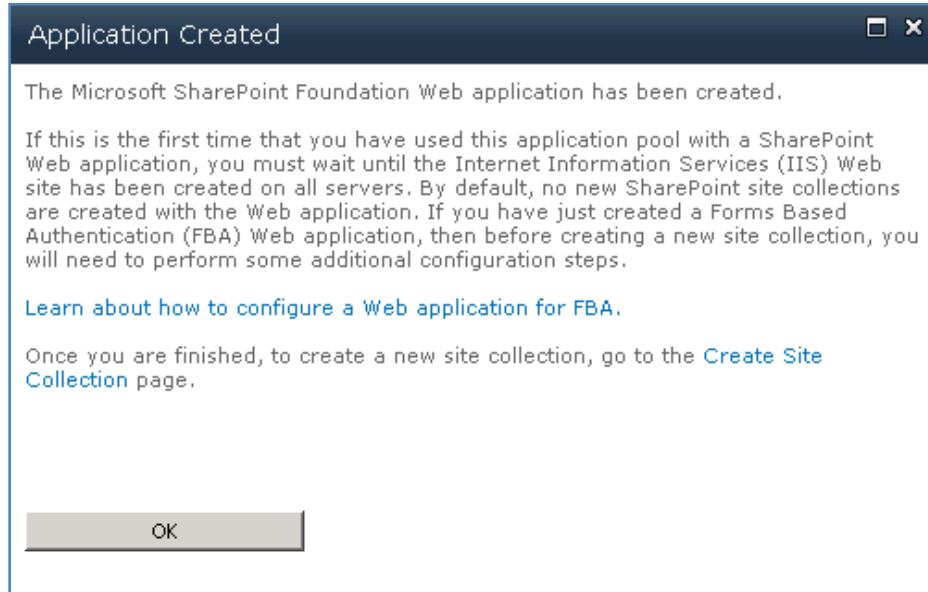
- Failover Server**: You can choose to associate a database with a specific failover server that is used in conjunction with SQL Server database mirroring. A text box labeled 'Failover Database Server' is present.
- Search Server**: You can choose to associate a content database with a specific server that is running the Microsoft SharePoint Foundation search service. A dropdown menu labeled 'Select Microsoft SharePoint Foundation search server' is present.
- Service Application Connections**: Choose the service applications that this Web application will be connected to. A dropdown menu shows 'default' and a message states 'There are no items to show in this view.'
- Customer Experience Improvement Program**: Collect web site analytics about web pages on this web application. Please read the... Two radio buttons are shown: 'Yes' and 'No', with 'No' selected.

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.

The screenshot shows the 'Create New Web Application' dialog box in a processing state. It displays a green dot and the text 'Processing...' and 'Please wait while your changes are processed.'

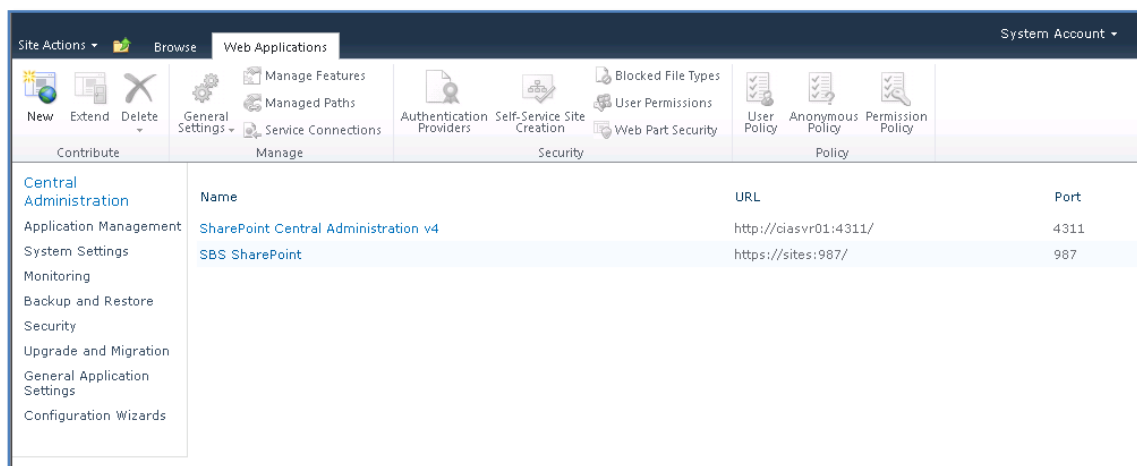
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

You should now see a window indicating to 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.

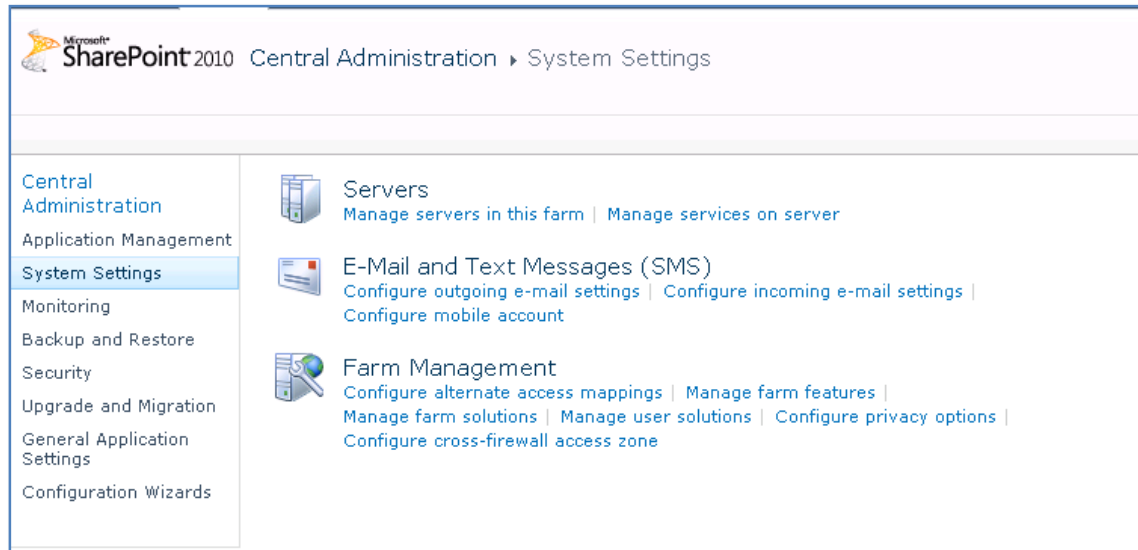
Press the **OK** button to proceed.



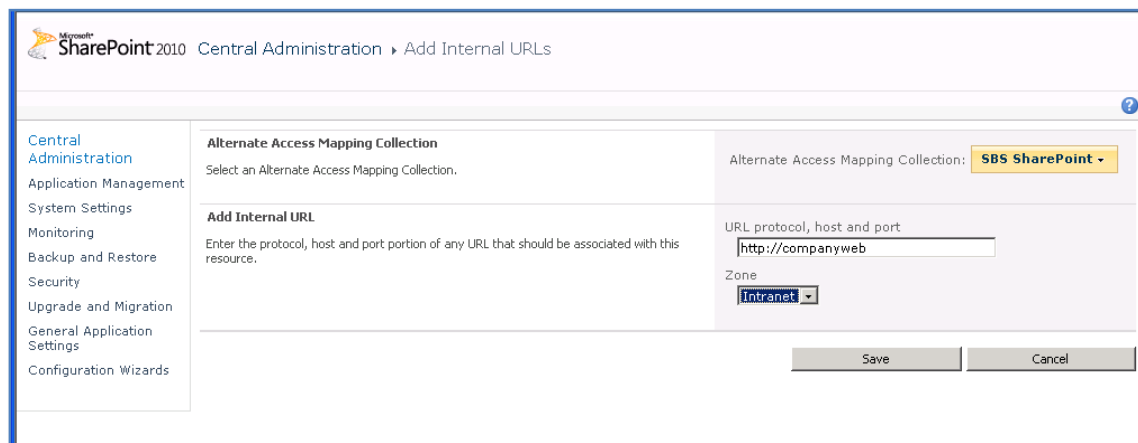
You should now see the SBS SharePoint web application you just created displayed in the list of web applications.

Return to the *Central Administration* home page.

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



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



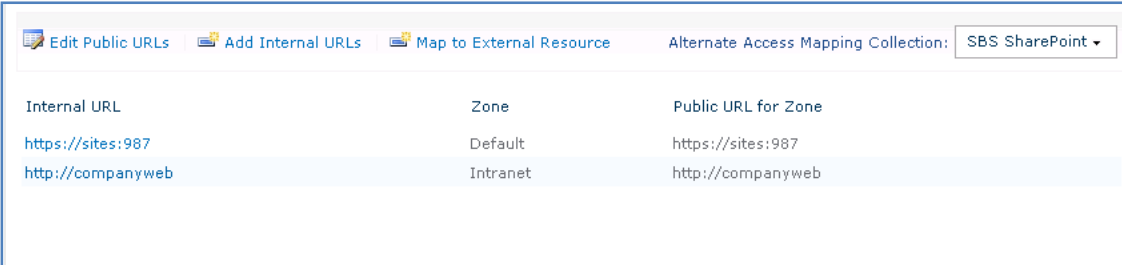
From the menu across the top of the web sites select *Add Internal URLs*.

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.

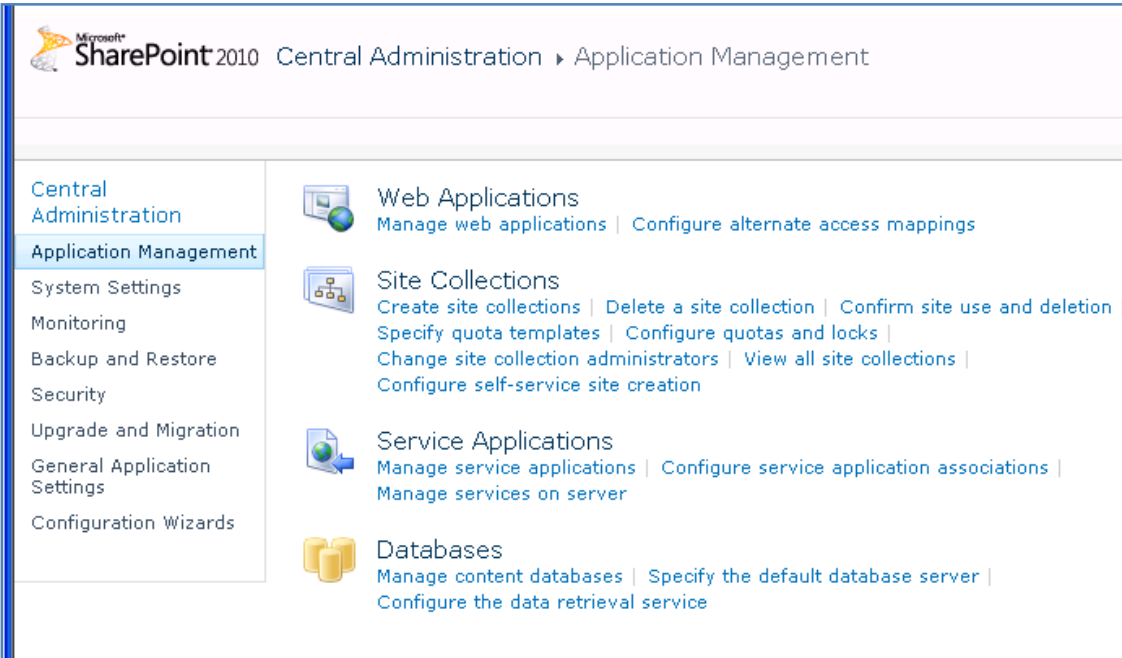
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



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.



Microsoft SharePoint 2010 Central Administration ▶ Application Management

Central Administration

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

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

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.

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Site Actions System Account

Microsoft SharePoint 2010 Central Administration > Create Site Collection
Use this page to create a new top-level Web site.

Central Administration

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

OK Cancel

Web Application
Select a web application.
To create a new web application go to [New Web Application](#) page.

Web Application: **https://sites:987/**

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

Title:

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: **https://sites:987/**

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

Select a template:
Collaboration Meetings Custom
Team Site
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.

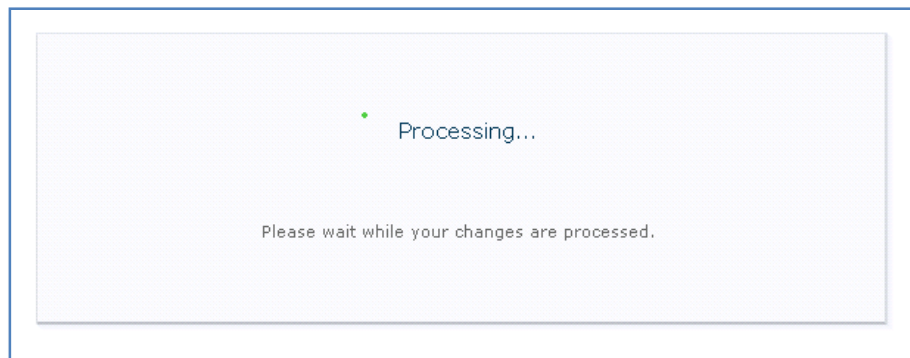
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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="text" 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.

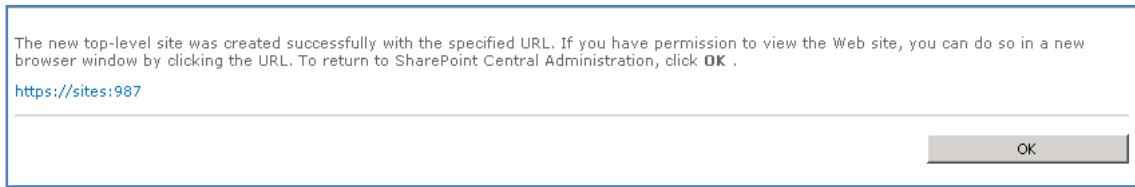
In the *Primary Site Collection Administrator* enter the details of the SBS 2008 administrator login. You can use the check person icon or the address book icon to locate and confirm that user. You may also select to have any other SBS 2008 user as the *Secondary Site Collection Administrator* but it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

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



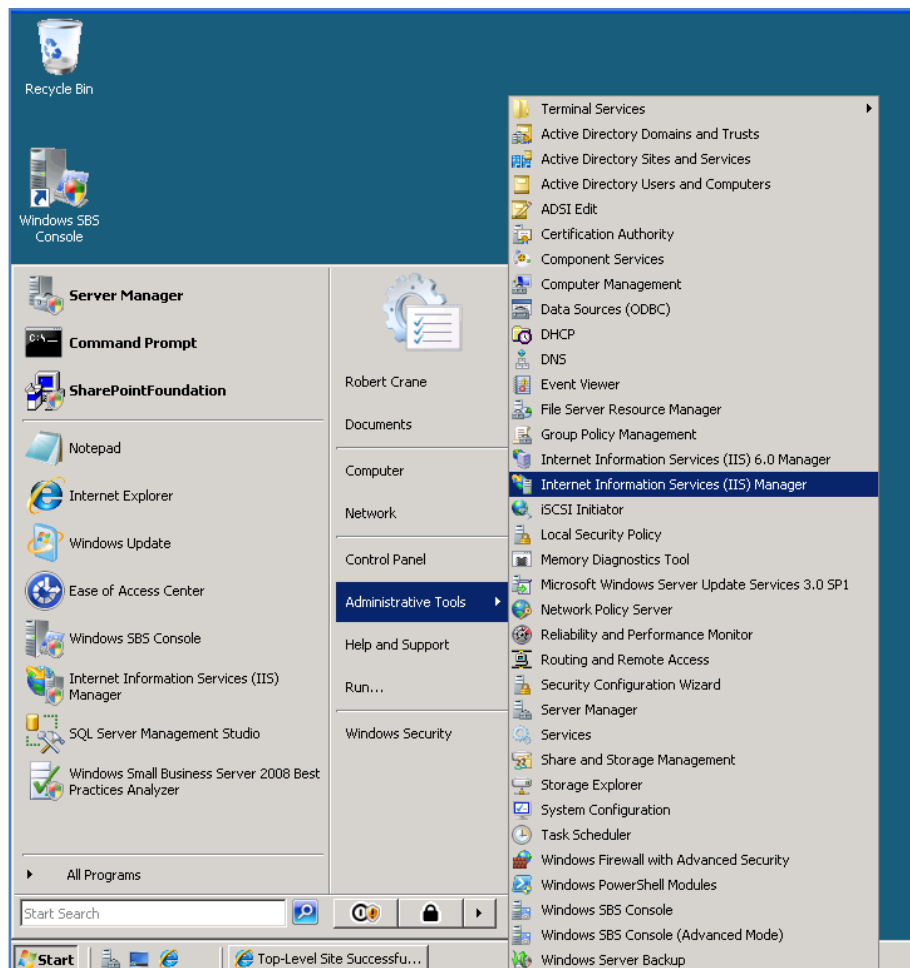
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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.

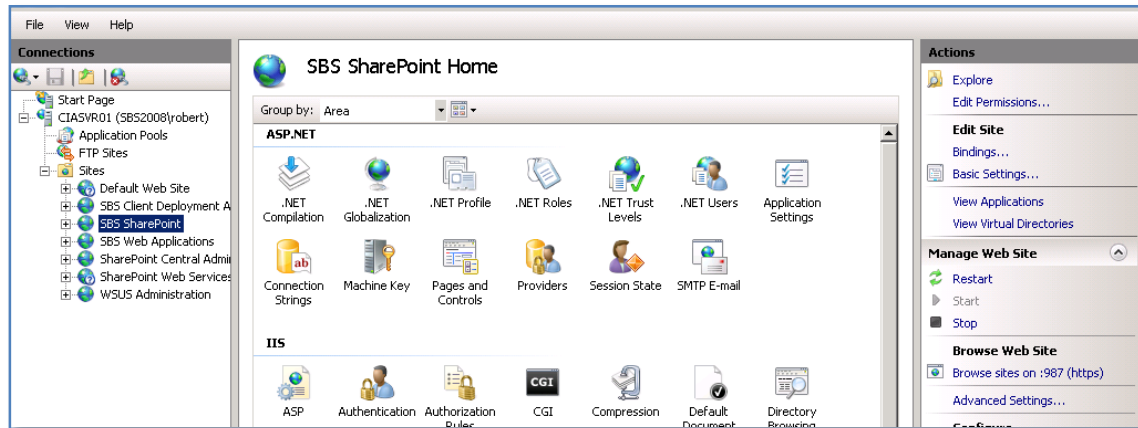


The next step in the process is to configure the web server via IIS Management to respond correctly to a request for <http://companyweb>.

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

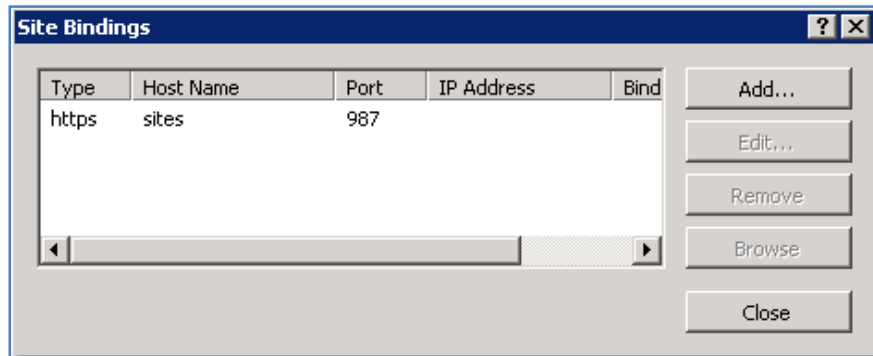
Select **Start | Administrative Tools | Internet Information Services (IIS) Manager**.

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.

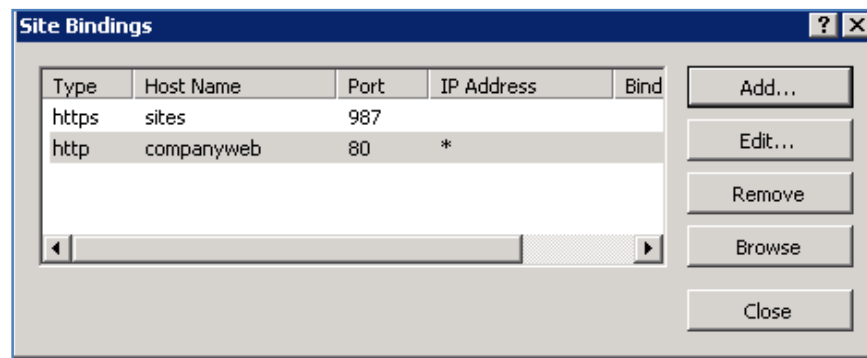
Click the **Add** button to create a new binding.

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**.

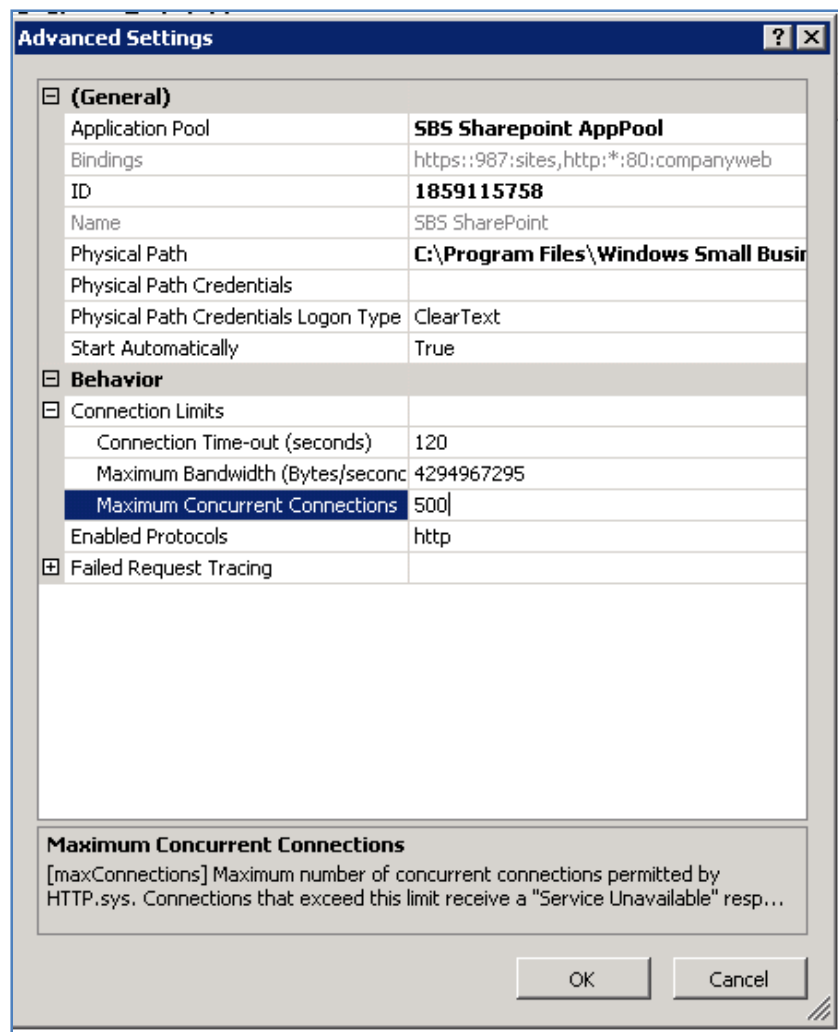
When complete, press the **OK** button to save your settings.



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.

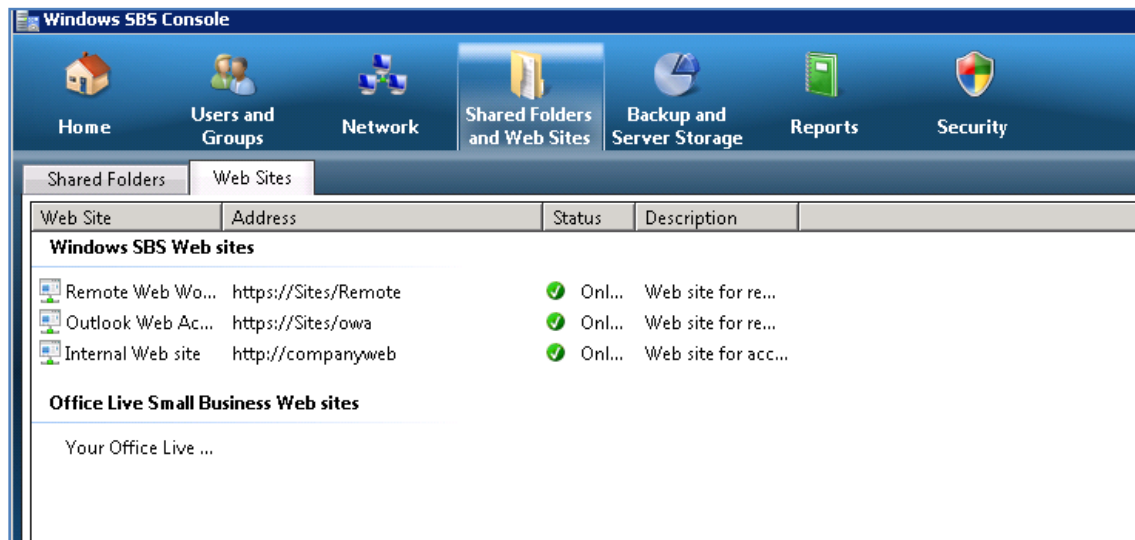
Press the **OK** button to proceed.

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

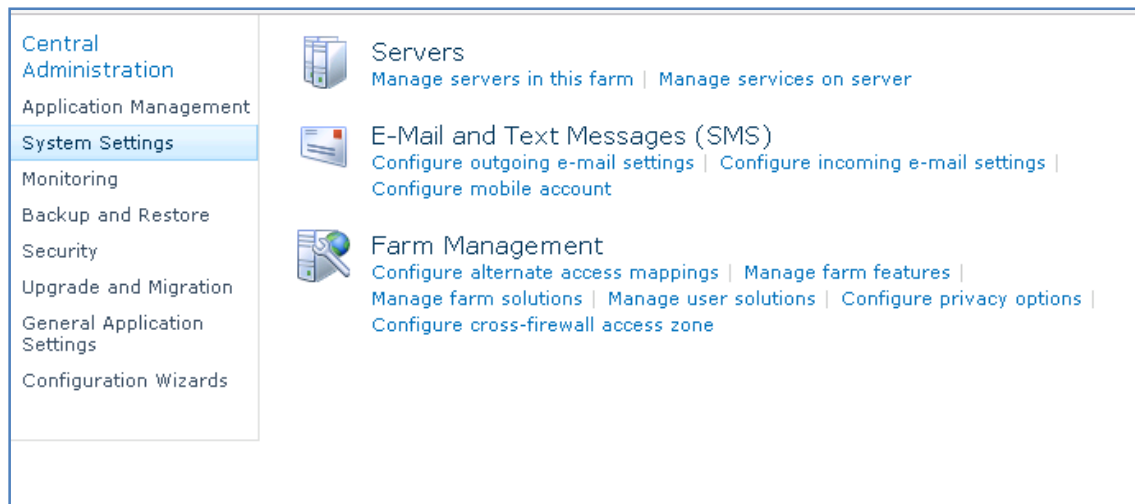


If you now type <http://companyweb> into a web browser you should see the familiar WSF homepage as shown above.

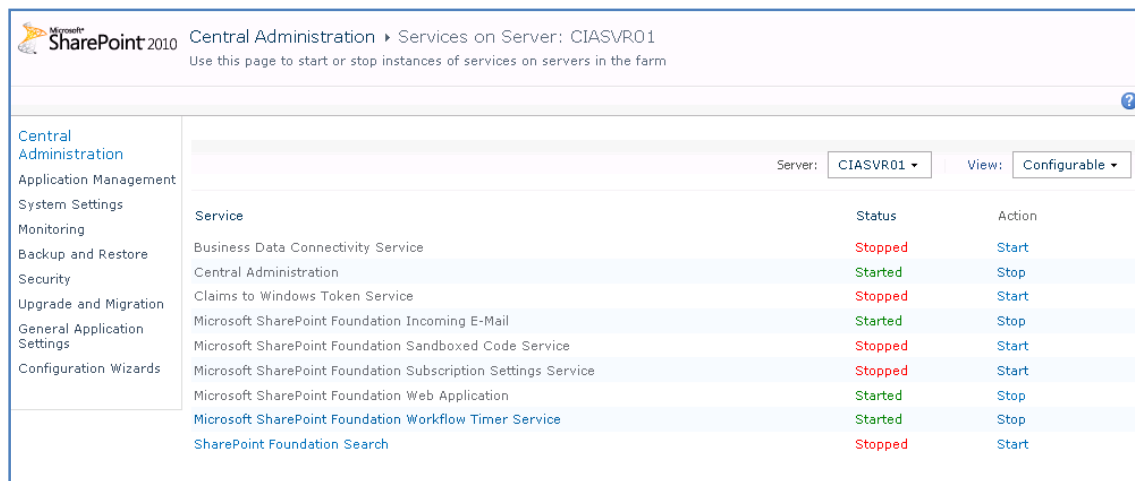


If you also now open the SBS Console and select **Shared Folders and Web Sites**, then the Web Sites tab you should see the entry *Internal Web Site* with a status of *Online*. Return to the SharePoint Central Administration site to ensure that search has been enabled.

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



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



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 over the network. 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.

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The screenshot shows the 'Search Database' configuration window. It is divided into three main sections: 'Search Database', 'Failover Server', and 'Indexing Schedule'. The 'Search Database' section contains instructions and fields for 'Database Server' (CIASVR01\SQLEXPRESS), 'Database Name' (WSS_Search_CIASVR01), and 'Database authentication' (Windows authentication selected). The 'Failover Server' section has a 'Failover Database Server' field. The 'Indexing Schedule' section has an 'Indexing schedule' section with radio buttons for 'Minutes', 'Hourly' (selected), and 'Daily'. The 'Hourly' option is set to 'Starting every hour between 35 minutes past the hour and no later than 35 minutes past the hour'. At the bottom right are 'Start' and 'Cancel' buttons.

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: CIASVR01\SQLEXPRESS

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:

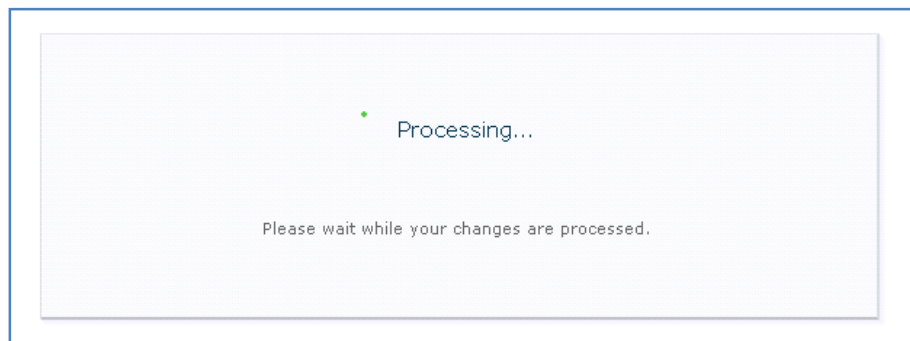
- ☐ Minutes
- ☒ Hourly
- ☐ Daily

Starting every hour between 35 minutes past the hour and no later than 35 minutes past the hour

Start Cancel

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


Server: CIASVR01 View: Configurable		
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.

[Central Administration](#)
[Application Management](#)
[System Settings](#)
[Monitoring](#)
[Backup and Restore](#)
[Security](#)
[Upgrade and Migration](#)
[General Application Settings](#)
[Configuration Wizards](#)

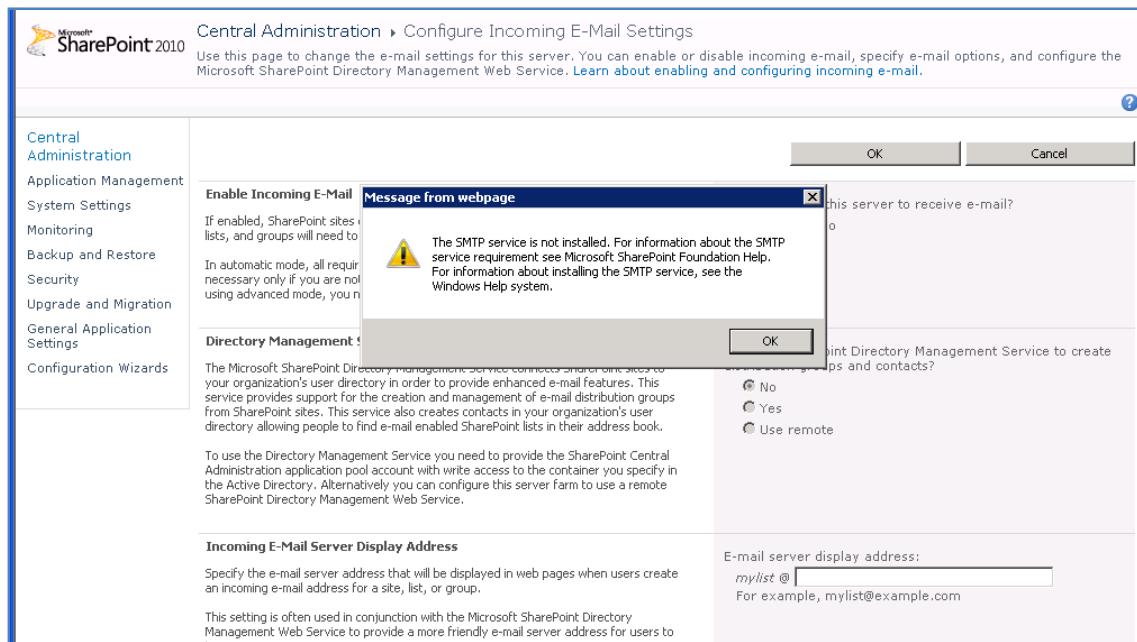
**Servers**
[Manage servers in this farm](#) | [Manage services on server](#)

**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 **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



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

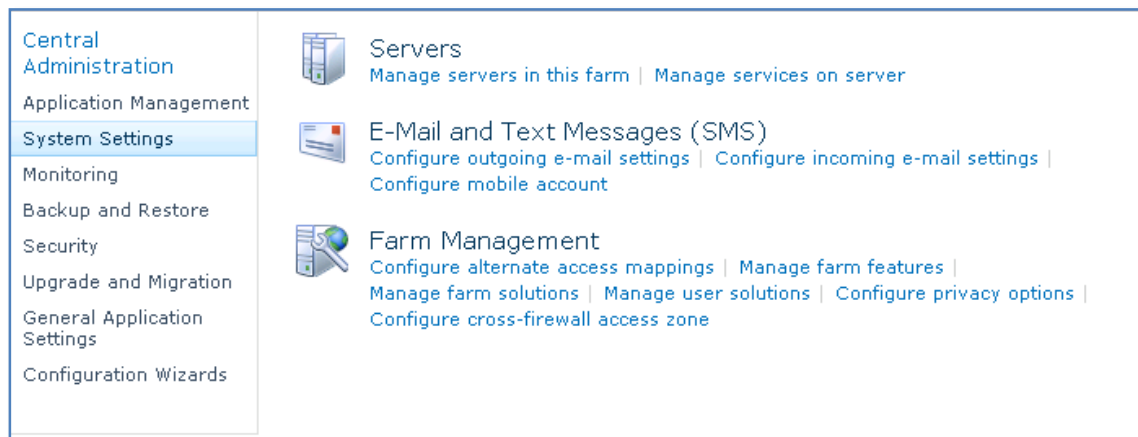
Enable Incoming E-Mail <p>If enabled, SharePoint sites can receive e-mail and store incoming messages in lists. Sites, lists, and groups will need to be configured individually with their own e-mail addresses.</p> <p>In automatic mode, all required settings are retrieved automatically. Advanced mode 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.</p>	Enable sites on this server to receive e-mail? <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Settings mode:</p> <p><input type="radio"/> Automatic <input checked="" type="radio"/> Advanced</p>
Directory Management Service <p>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.</p> <p>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.</p>	Use the SharePoint Directory Management Service to create distribution groups and contacts? <p><input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Use remote</p>
Incoming E-Mail Server Display Address <p>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.</p> <p>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.</p>	E-mail server display address: <p>mylist @ <input type="text"/> For example, mylist@example.com</p>
E-Mail Drop Folder <p>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.</p> <p>Note: When incoming e-mail settings are set to advanced mode you need to ensure that</p>	E-mail drop folder: <p>c:\inetpub\mailroot\drop For example, c:\inetpub\mailroot\drop</p>

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

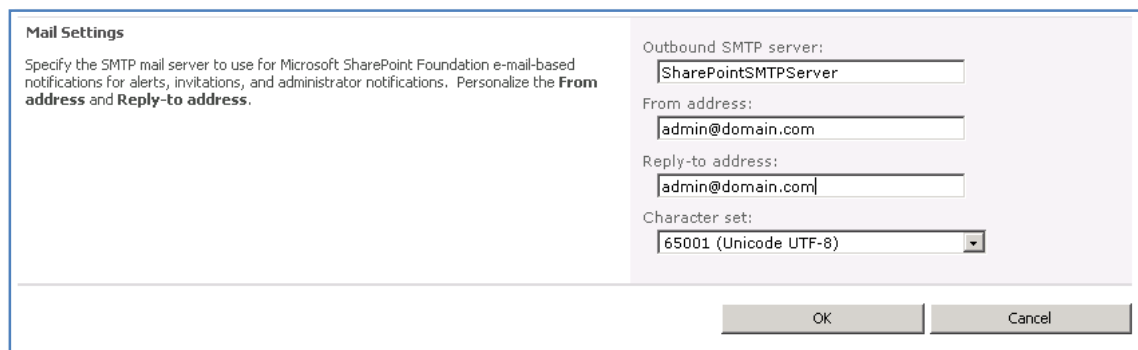
Select **Yes** to enable *Incoming email*. Select **No** for *Use the SharePoint Directory Management Service*. Enter a domain name in the *Incoming E-Mail Server Display Address*. Leave the *E-mail drop folder* set as *c:\inetpub\mailroot\drop*.

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

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



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



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

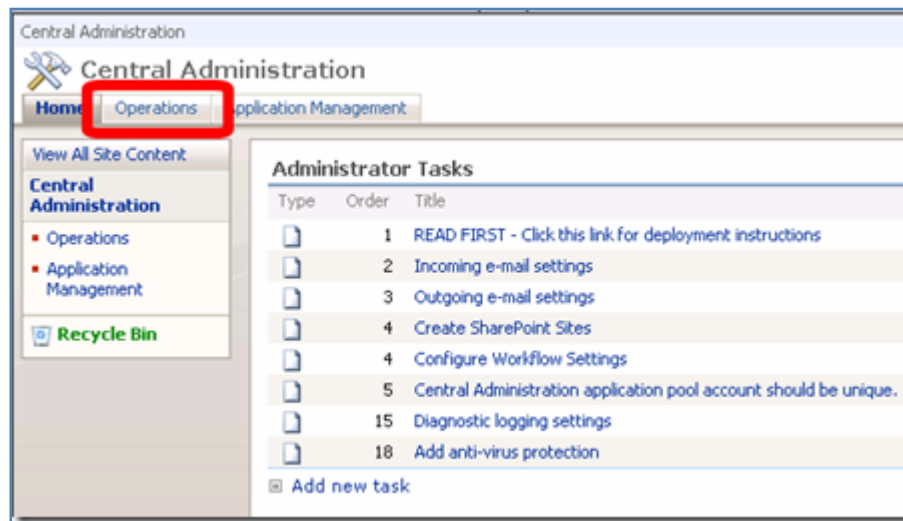
This is based on the document:

<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**.

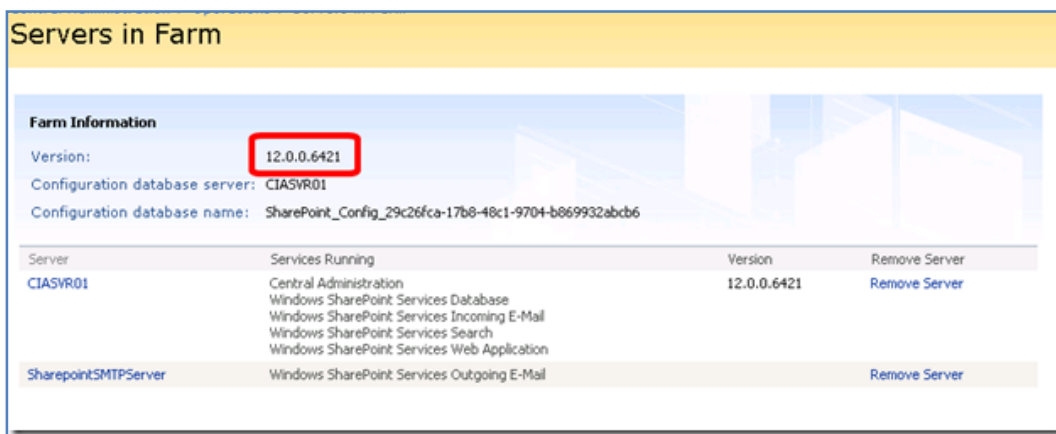


Select the **Operations** tab.

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



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



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>

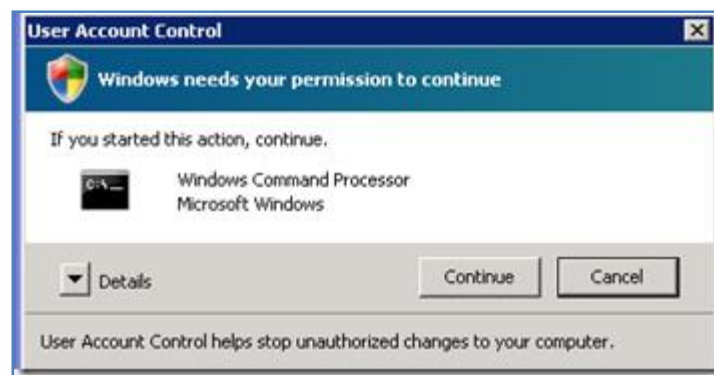
Once installed check the version number again and ensure everything is functioning correctly with SharePoint.

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

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

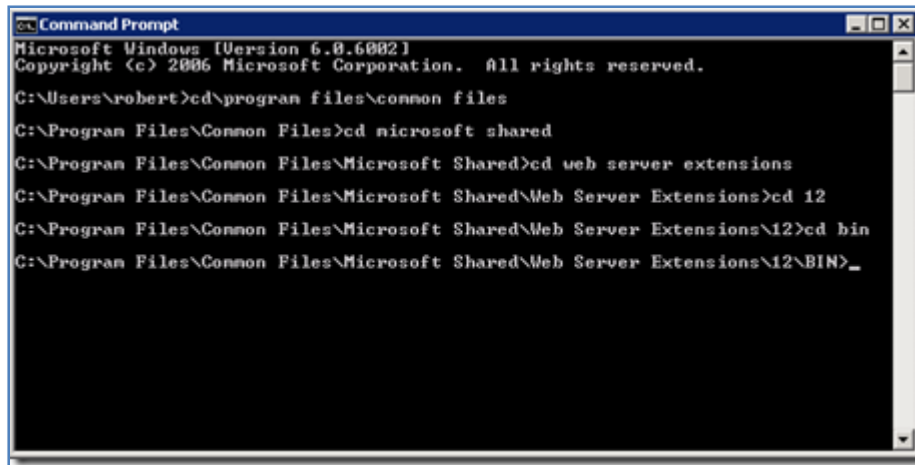


Select **Start** then **right mouse click** on *Command Prompt* and **Select Run as administrator** from the menu that appears.



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:

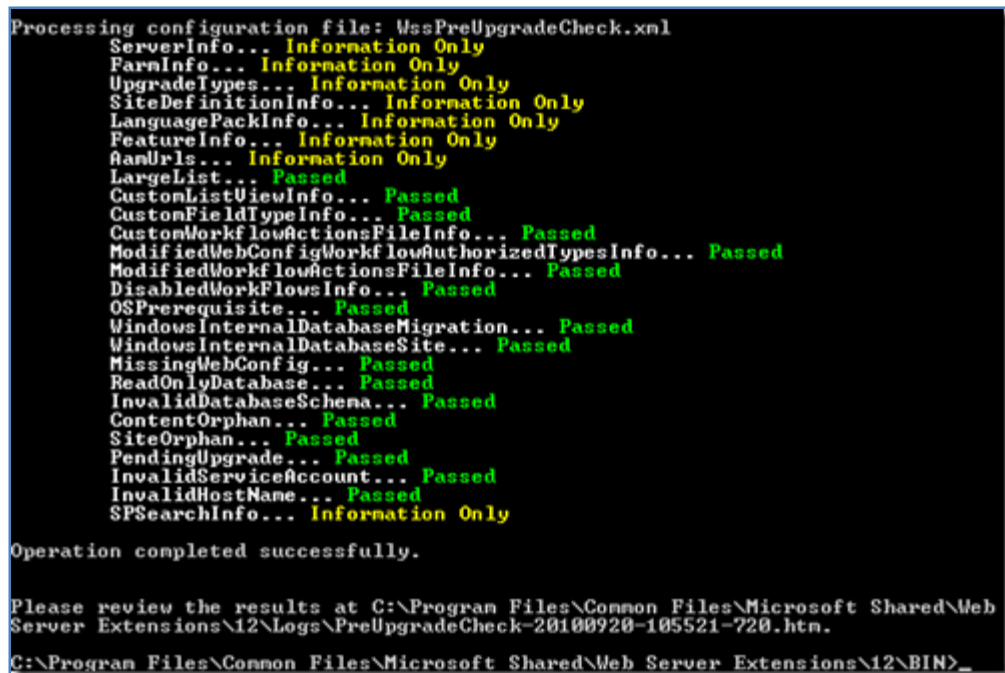
cd\program files\common files\microsoft shared\web server extensions\12\bin

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
AppUrls... 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.

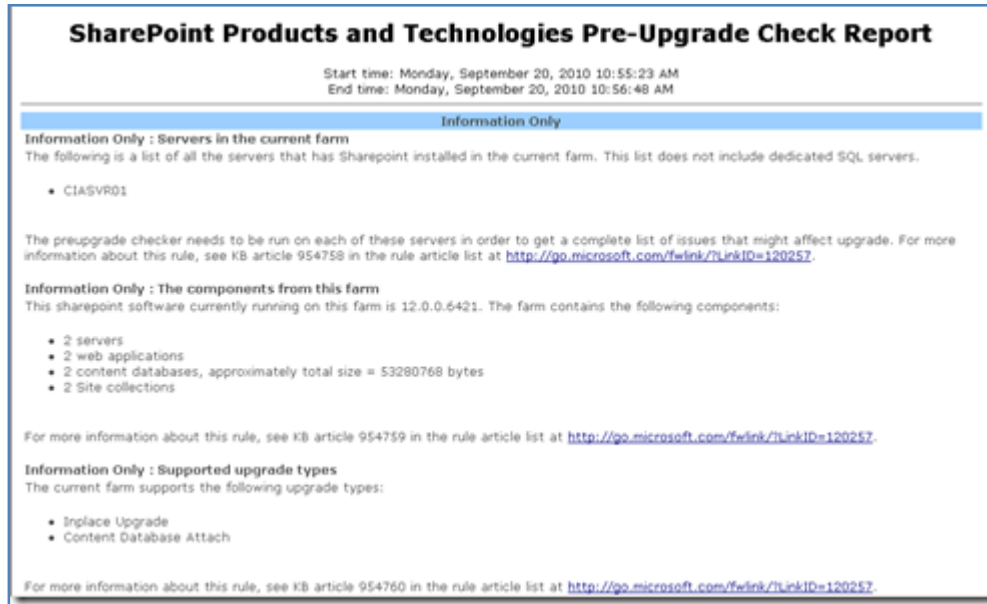
Please review the results at C:\Program Files\Common Files\Microsoft Shared\Web
Server Extensions\12\Logs\PreUpgradeCheck-20100920-105521-720.htm.
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN>
```

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

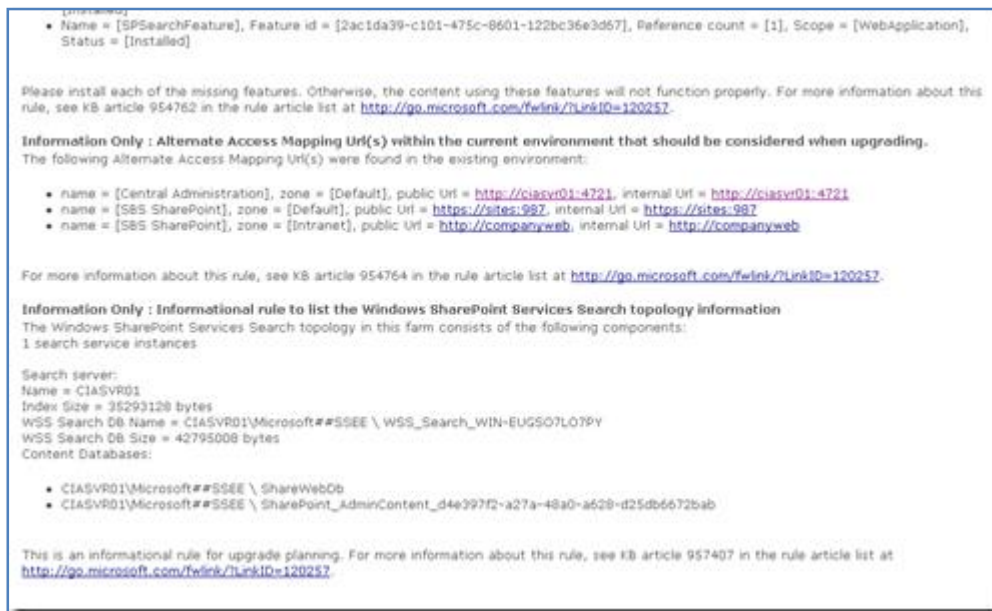
You should now see something similar to that shown above as the command performs a number of checks and writes the results to a log file in the directory:

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:



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



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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.

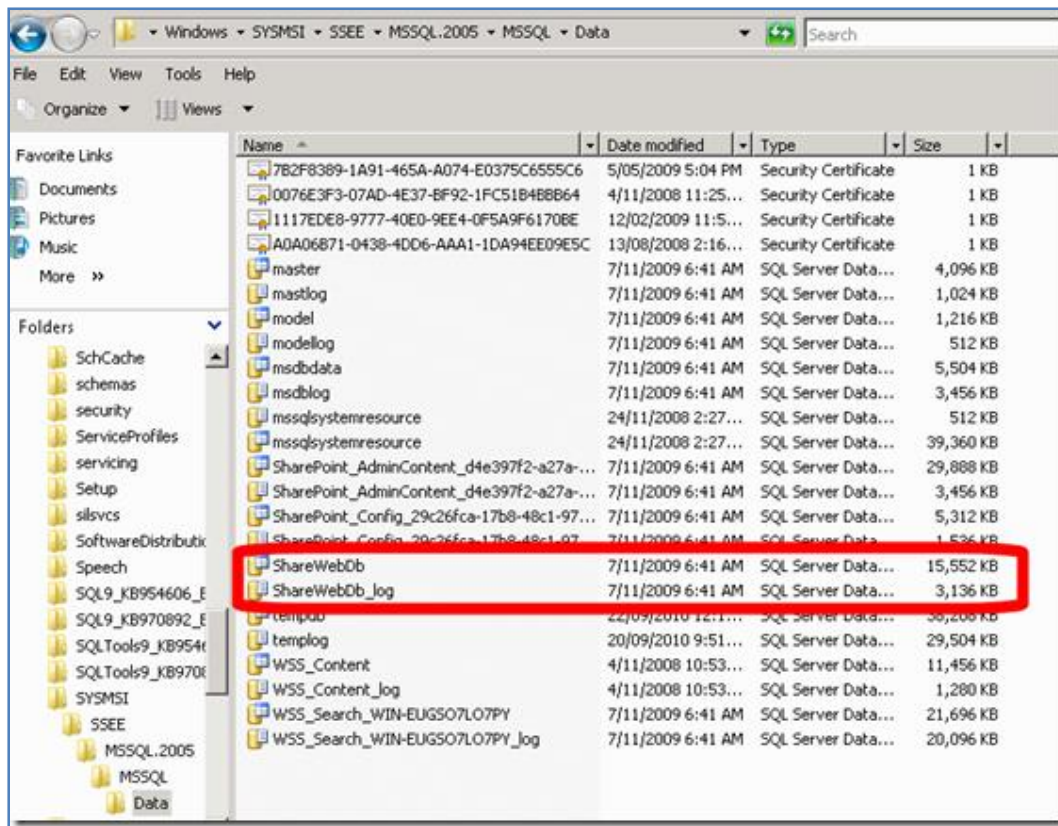
Step 3: Back up the existing data on your server

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:

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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:

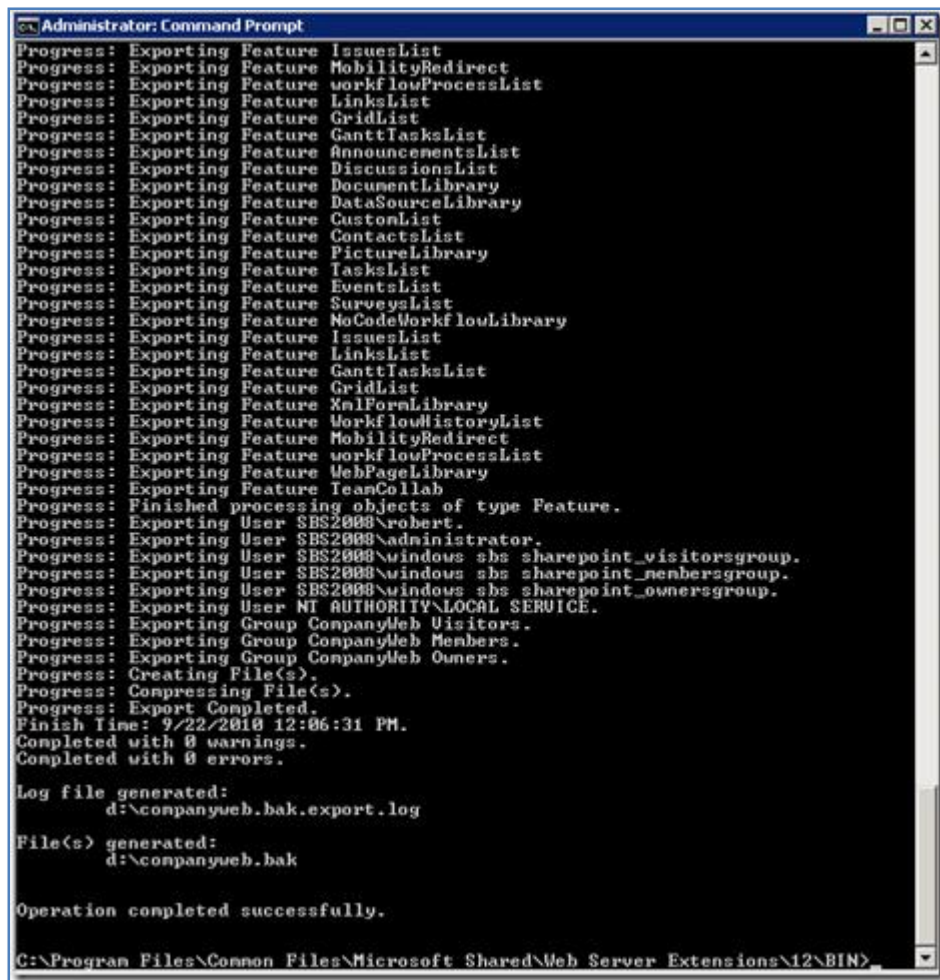
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\BIN

then type the following command (followed by ENTER)

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

Something like the following scroll past:

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```
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 SBS2008\windows sbs sharepoint_ownersgroup.
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>
```

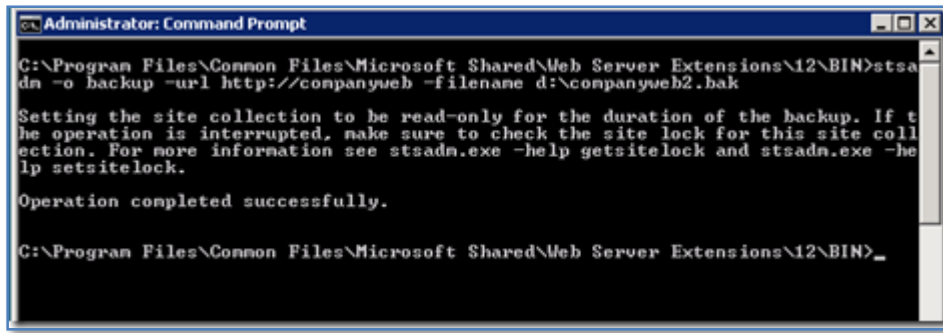
You should see that the process has completed successfully.

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:

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```
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.

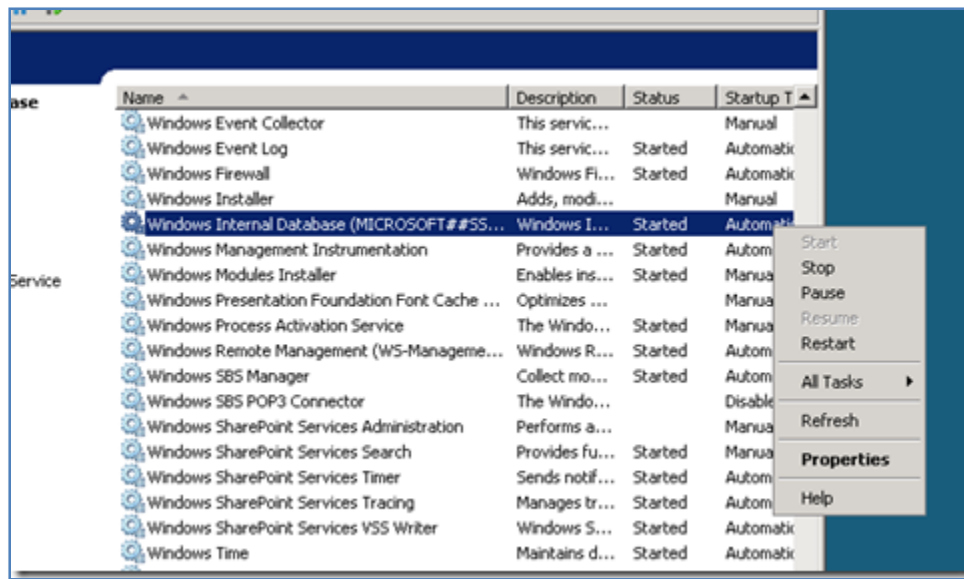
Step 4: Back up the Windows Internal Database files

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.

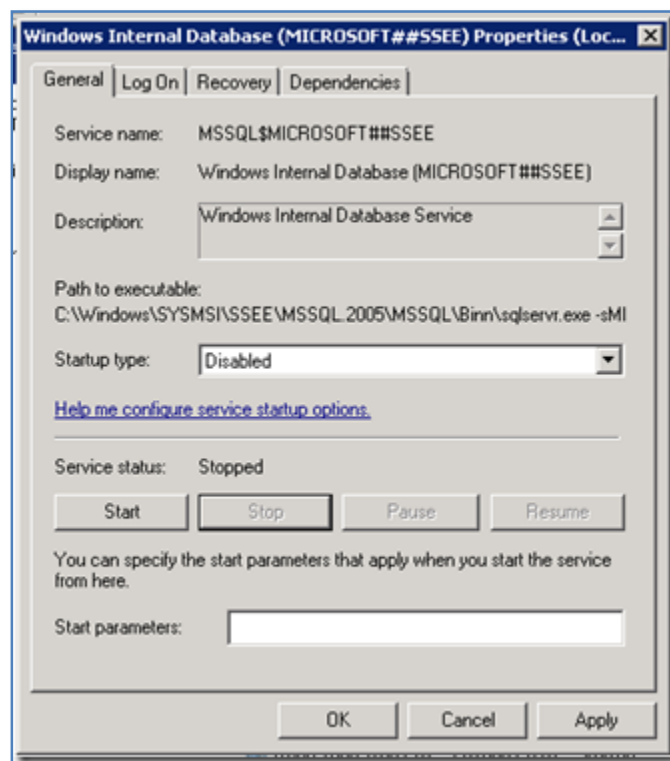
Go to the **Services** from the *Administration Tools* on the SBS 2008 server.

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

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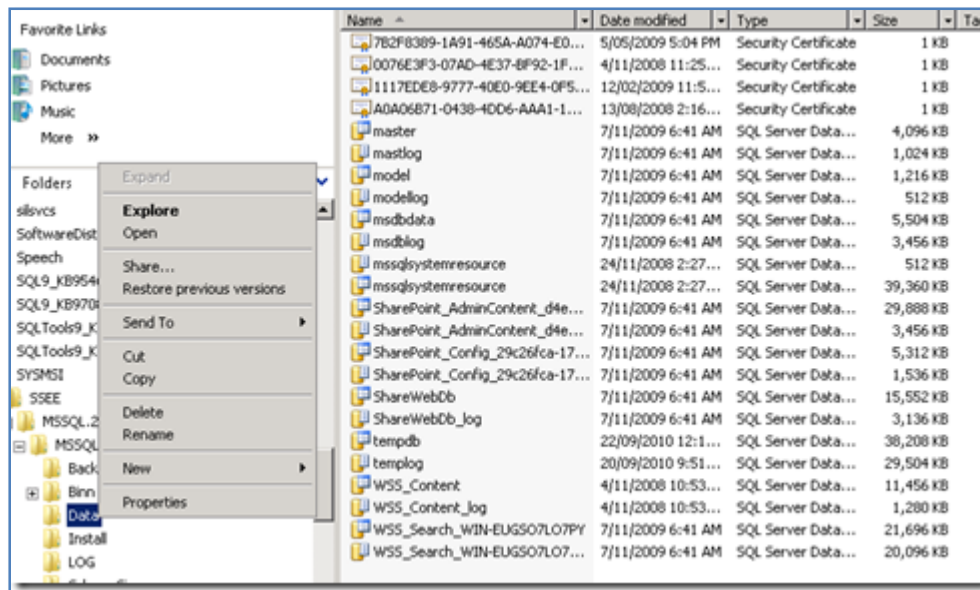


Right mouse click on this service and select **Properties**.



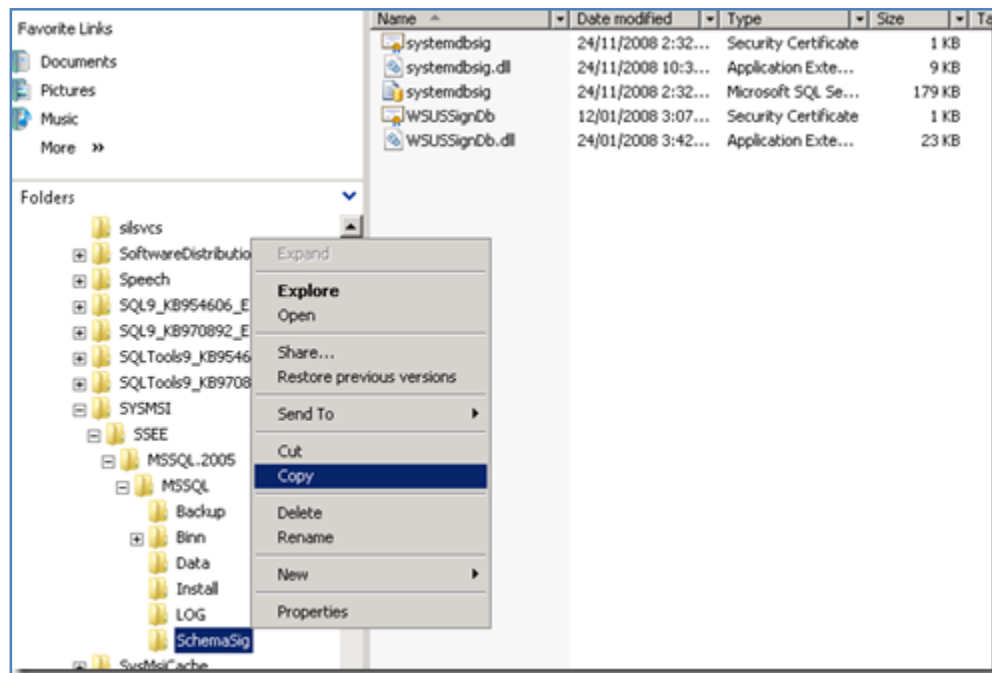
Set the *Startup Type* to **Disabled** and press the **Stop** button to stop the service. Then press **OK**. The reason for doing this is to ensure that the service doesn't accidentally start while you are attempting to backup the databases, which may take some time if they are large.

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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.



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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.

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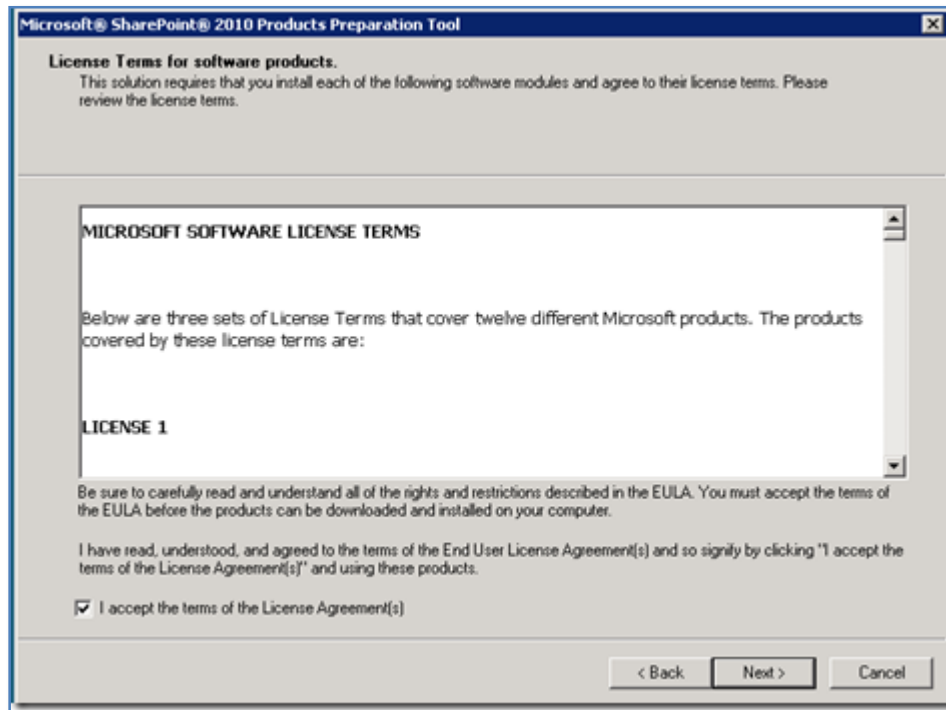
Select the option **Install software prerequisites** under the *Install* section.



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.

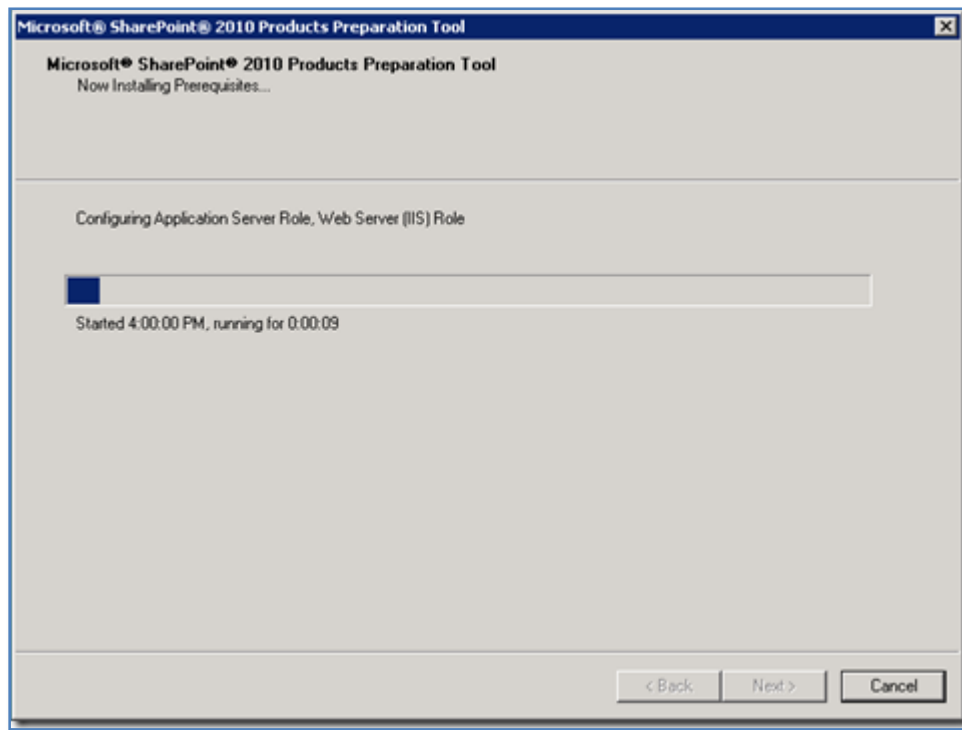
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

Press the **Next** button to continue.

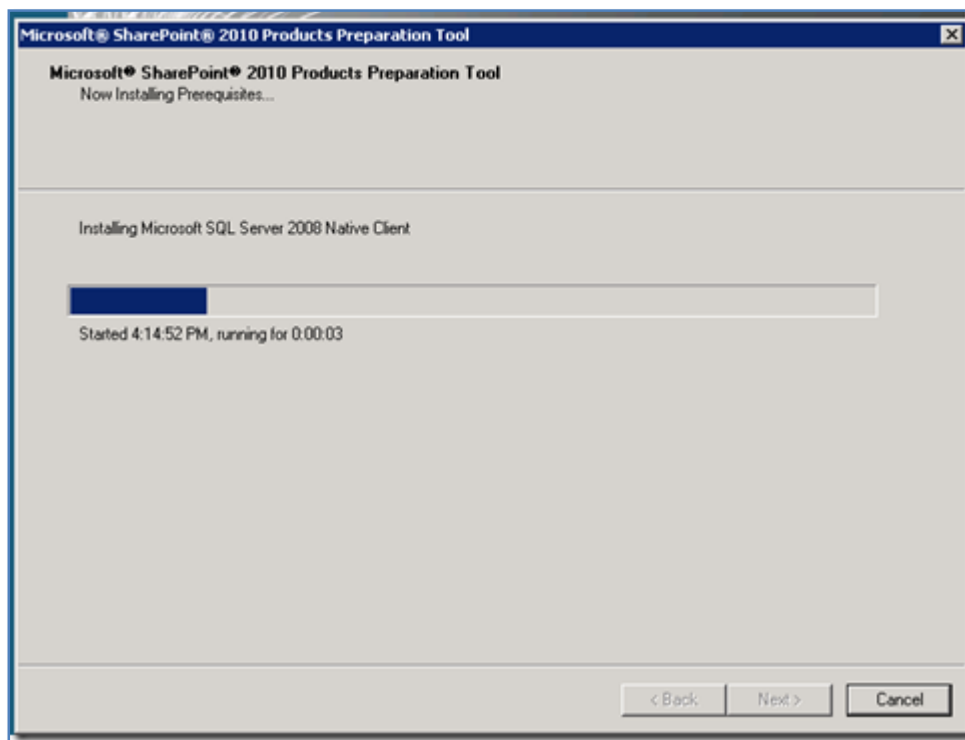


Accept the EULA by placing a check in the box *I accept the terms of the license agreement* and press the **Next** button to continue.

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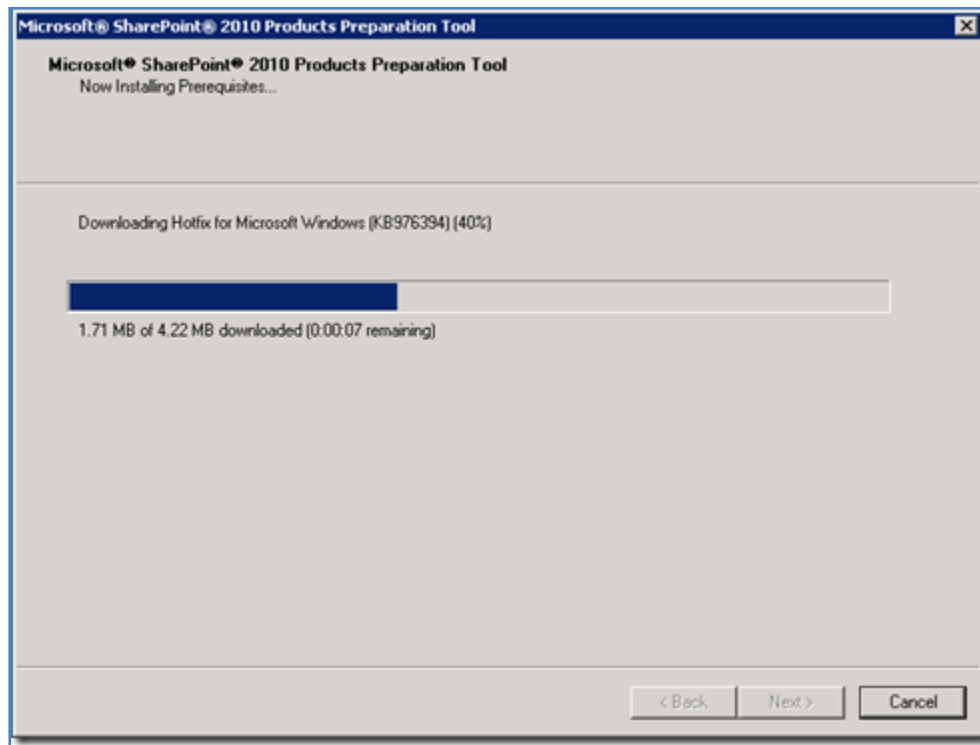


The first step will be the automatic configuration of the IIS server. This process may take a few minutes so be patient.

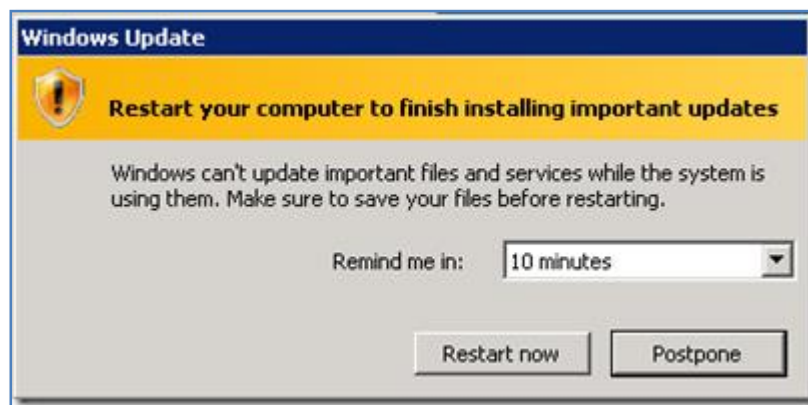


Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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

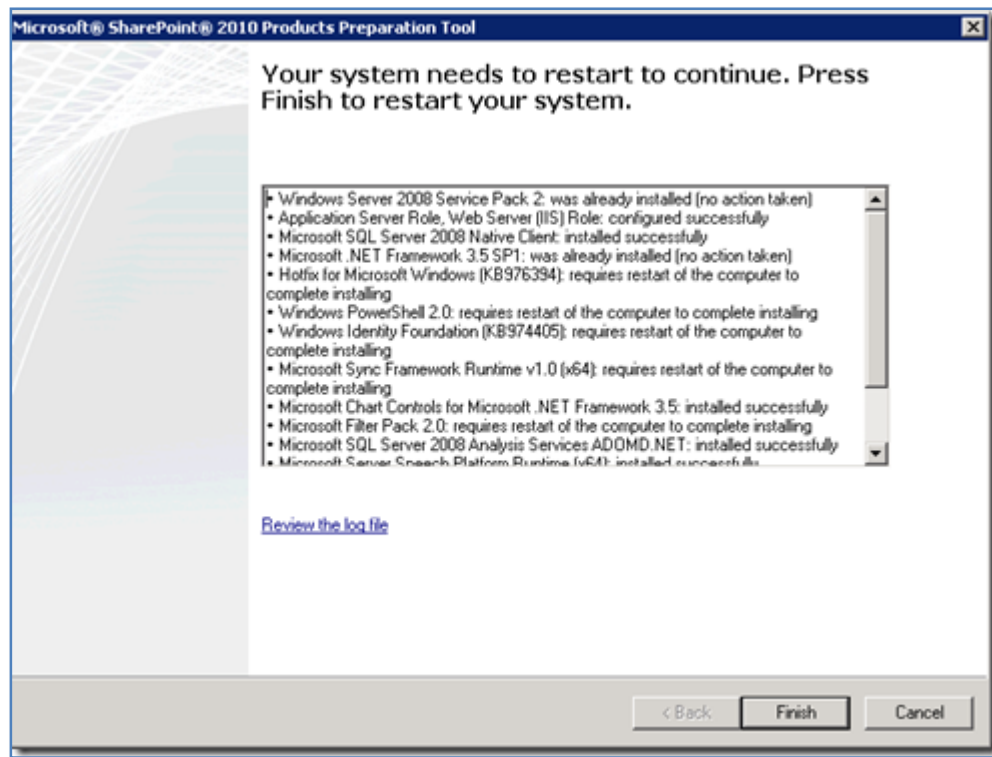


You should also see a number of updates being downloaded and installed. This is going to most likely mean a reboot once this process is complete.



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

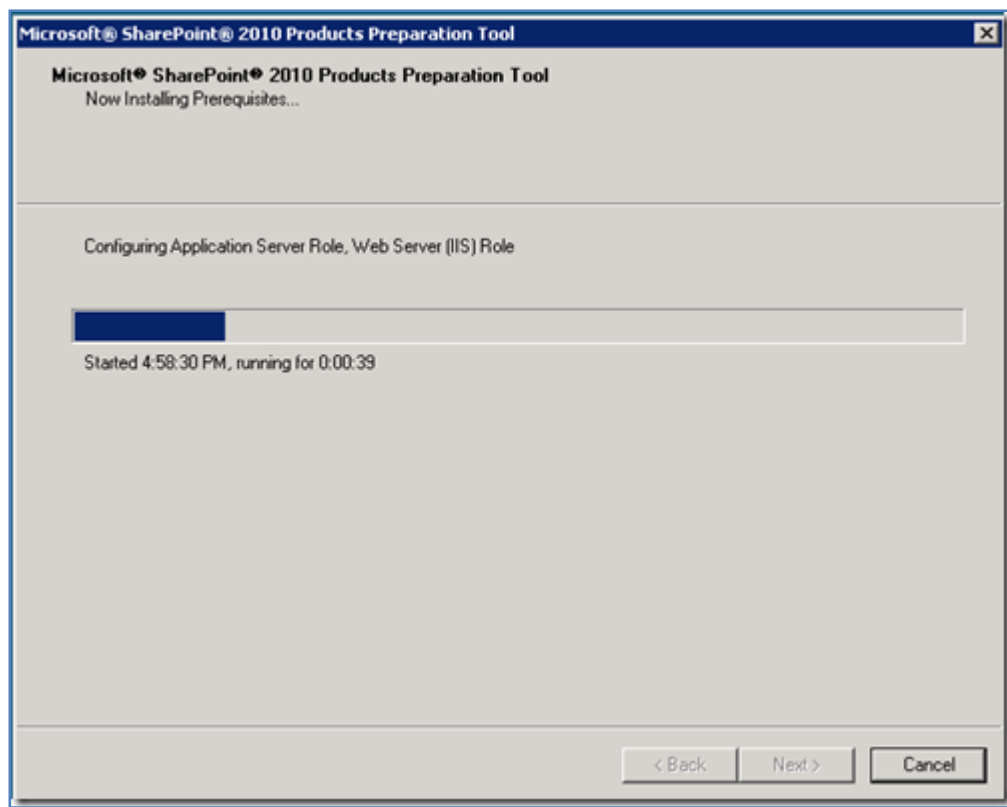


When the process is complete you should see the above windows. Beware, if your machine needs a reboot and you press the **Finish** button your SBS 2008 will automatically recommence a reboot.

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.

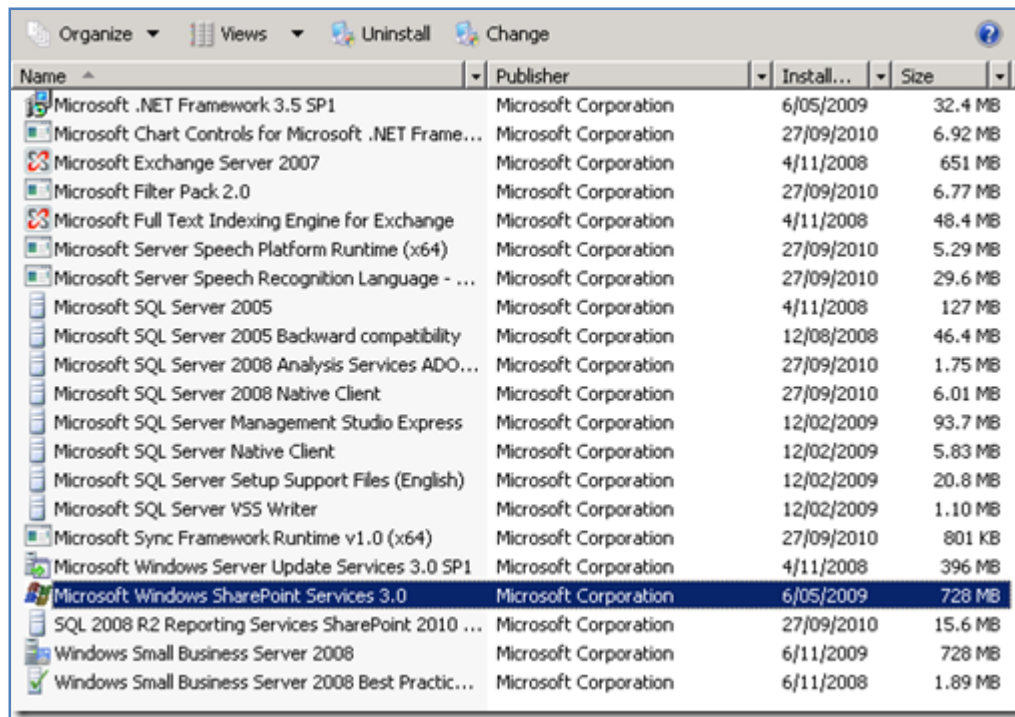
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



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**.

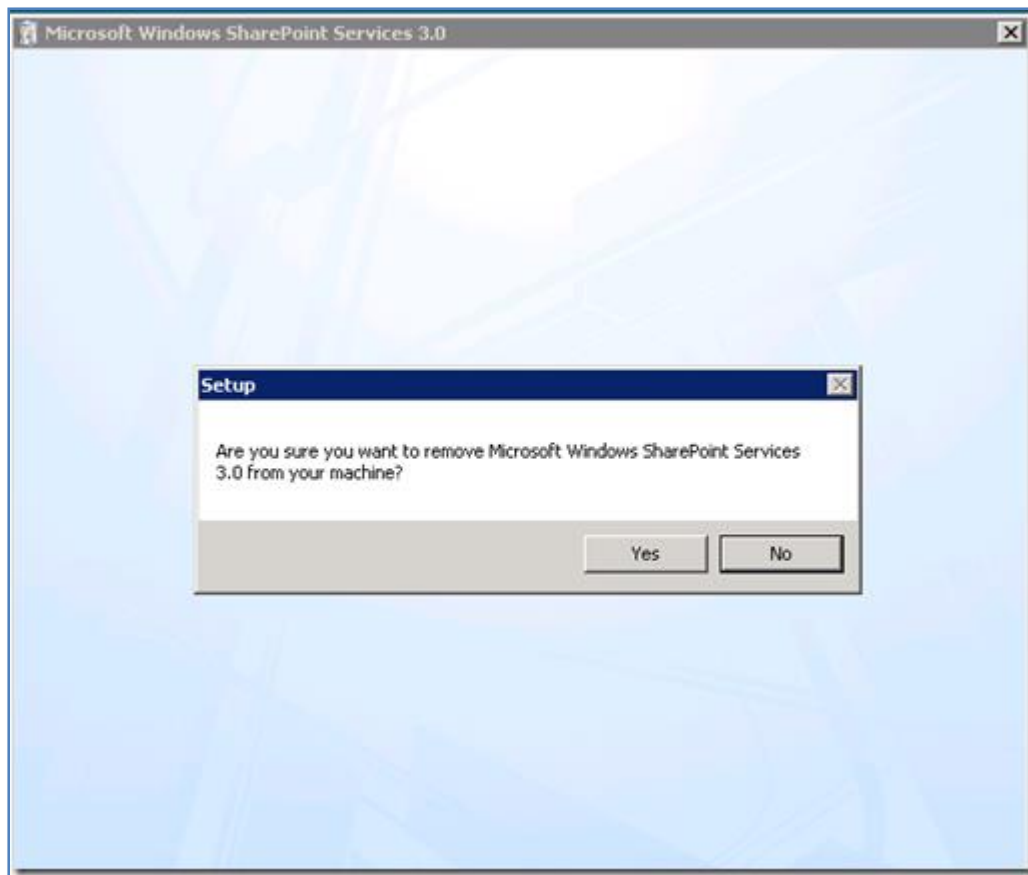
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



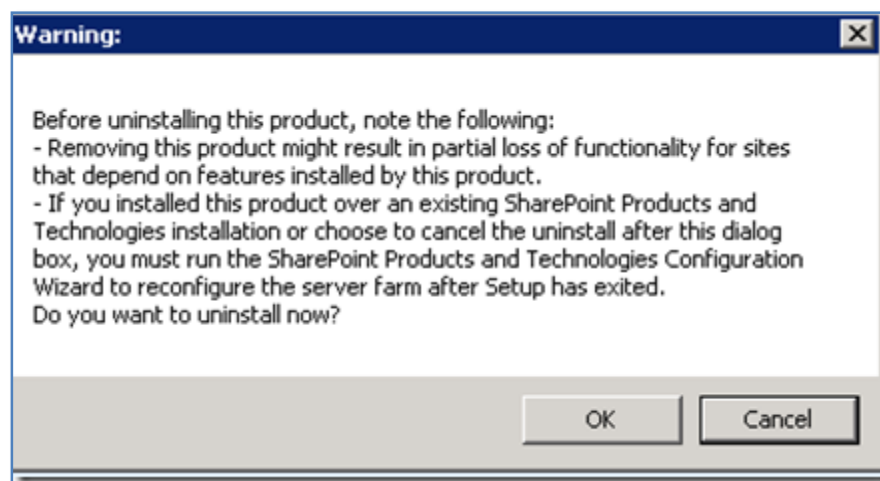
Select **Microsoft Windows SharePoint Services 3.0** from the list of installed programs and then select **Uninstall** from the top.

Accept the UAC.

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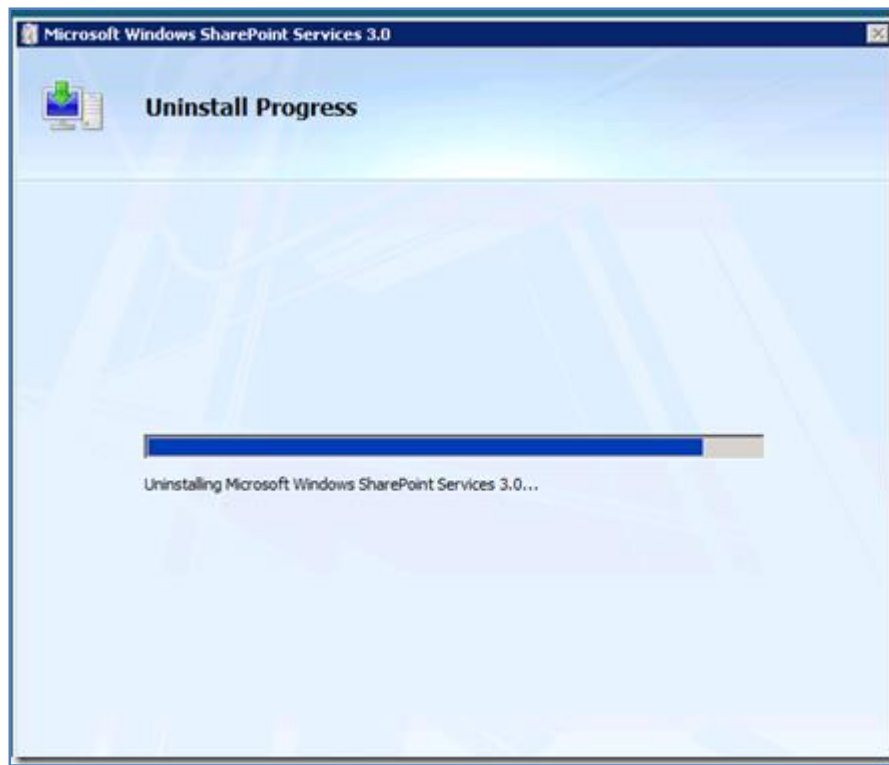


Press the **Yes** button.



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

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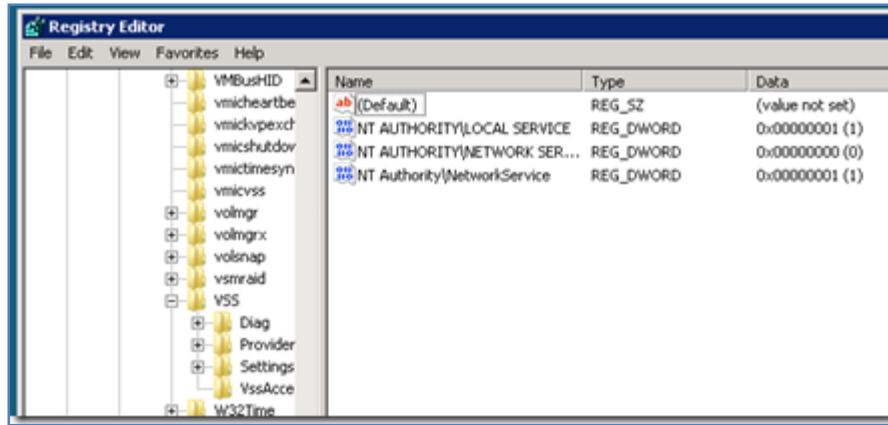
Windows SharePoint Services v3 is now uninstalled from your SBS 2008 server.



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Press the **Close** button.

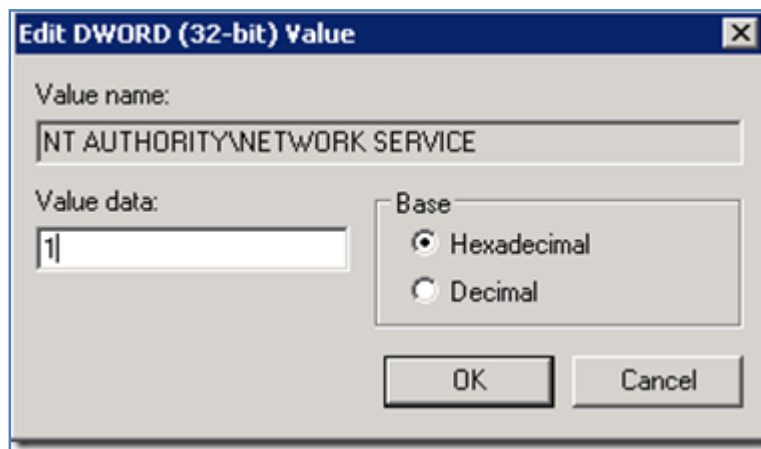
Run **regedit** and accept the UAC presented. Navigate to the registry key `HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\VSS\VssAccessControl\`.



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 not set to 1. So double clicked 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

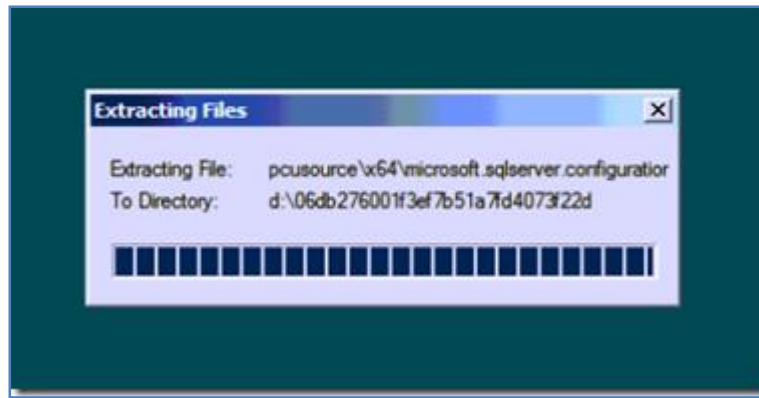
This step commences by instructing you to download SQL Express 2008 SP1 from:

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

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(*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.

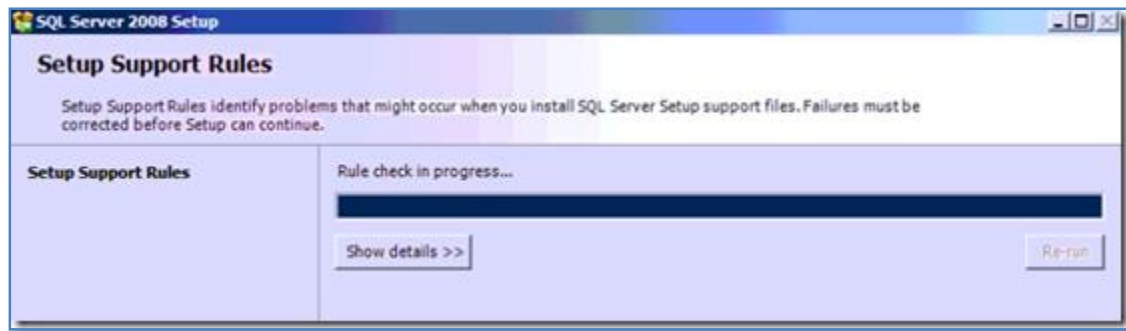


When the SQL installation splash screen appears select the **Installation** option from the left hand menu (under *Planning*). Then select **New SQL standalone installation or add features to an existing installation** on the right (top option).



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

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



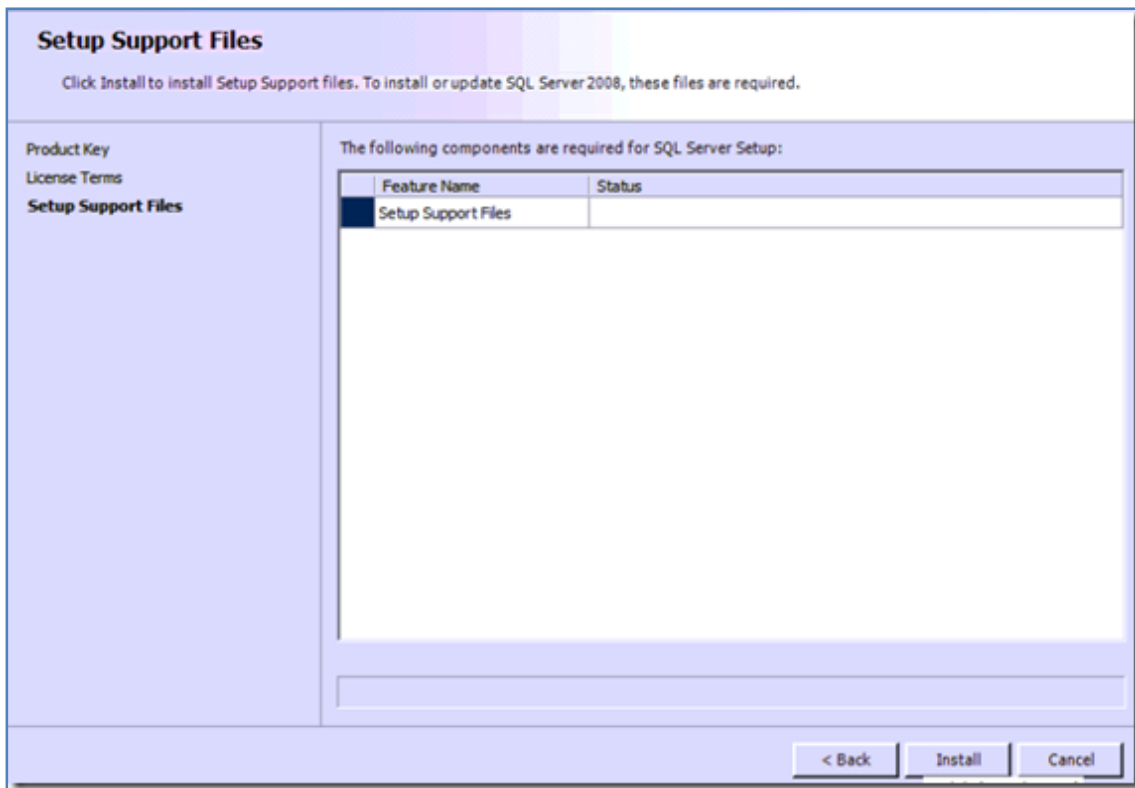
Next, accept the EULA by checking the option *I accept the license terms*.

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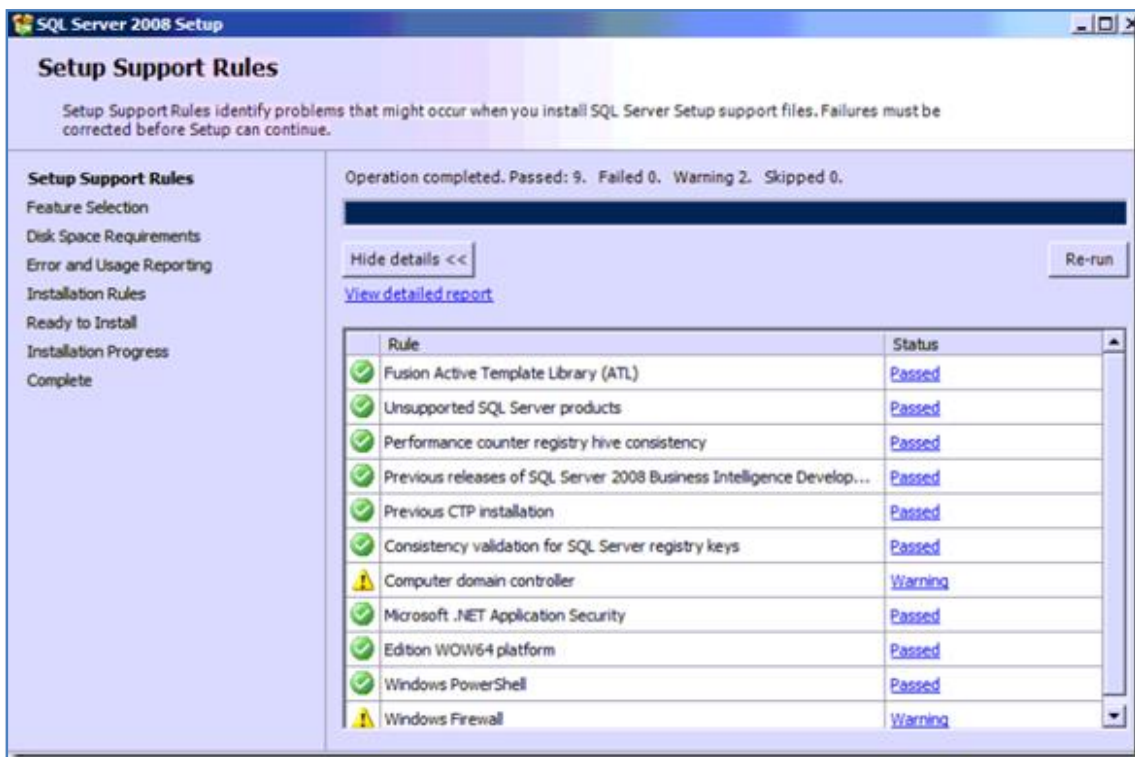


Now some support files will be installed. This is basically the SP1 files that allow SQL 2008 to run on Windows Server 2008.

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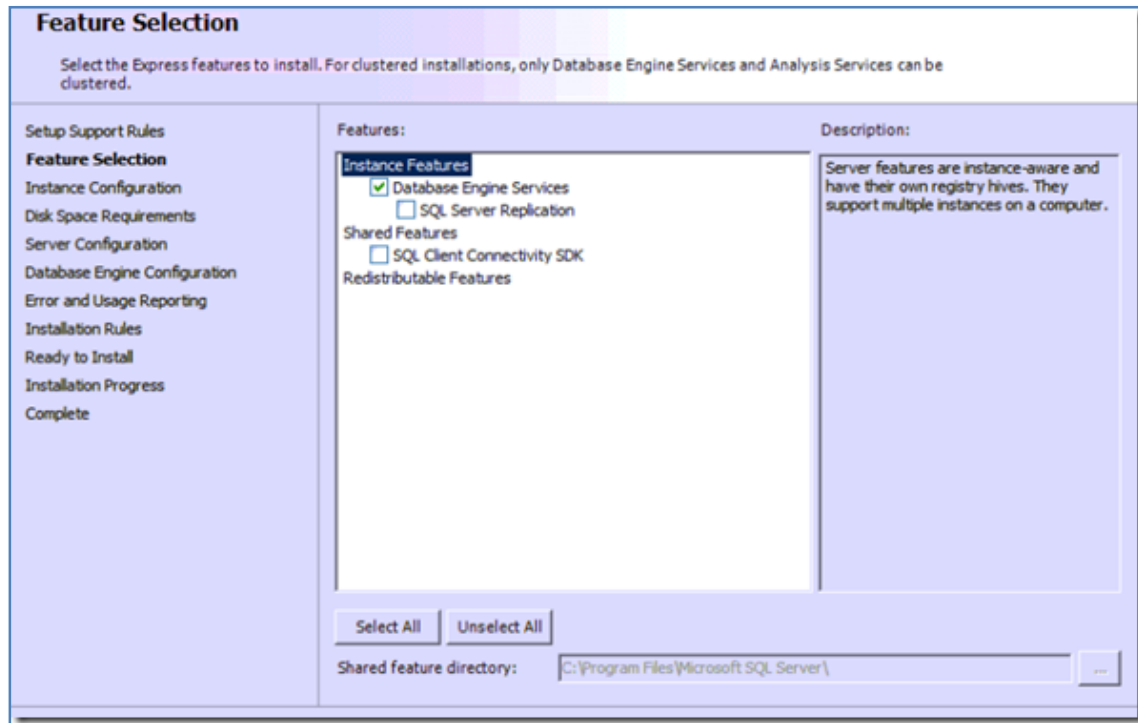


Press the **Install** button to continue. You should then see a summary like so,



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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.

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Instance Configuration
Specify the name and instance ID for the SQL Server instance.

Setup Support Rules
Feature Selection
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error and Usage Reporting
Installation Rules
Ready to Install
Installation Progress
Complete

☐ Default instance
☒ Named instance:

Instance ID:

Instance root directory: ...

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL10.Express

Installed instances:

Instance	Features	Edition	Version	Instance ID
MICROSOFT#SSEE	SQLEngine,SQLEn...	Embedded (Windo...	9.3.4035	MSSQL.2005
SBSMONITORING	SQLEngine,SQLEn...	Express with Adva...	9.3.4053	MSSQL.1

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.

Disk Space Requirements
Review the disk space summary for the SQL Server features you selected.

Setup Support Rules
Feature Selection
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error and Usage Reporting
Installation Rules
Ready to Install
Installation Progress
Complete

Disk Usage Summary:

- Drive C: 385 MB required, 33286 MB available
 - System Drive (C:\): 182 MB required
 - Shared Install Directory (C:\Program Files\Microsoft SQL Server\): 0 MB required
 - Instance Directory (C:\Program Files\Microsoft SQL Server\): 203 MB required

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

Server Configuration
Specify the configuration.

Setup Support Rules
Feature Selection
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error and Usage Reporting
Installation Rules
Ready to Install
Installation Progress
Complete

Service Accounts | Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Database Engine			Automatic

Use the same account for all SQL Server services

These services will be configured automatically where possible to use a low privilege account. On some older Windows versions the user will need to specify a low privilege account. For more information, click Help.

Use the same account for all SQL Server 2008 services

Specify a username and password for all SQL Server service accounts.

Account Name: sbs2008\yobert

Password:

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.

Server Configuration
Specify the configuration.

Setup Support Rules
Feature Selection
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error and Usage Reporting
Installation Rules
Ready to Install
Installation Progress
Complete

Service Accounts | Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Database Engine	sbs2008\yobert	*****	Automatic

Use the same account for all SQL Server services

These services will be configured automatically where possible to use a low privilege account. On some older Windows versions the user will need to specify a low privilege account. For more information, click Help.

Service	Account Name	Password	Startup Type
SQL Server Browser	NT AUTHORITY\SYSTEM		Automatic

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

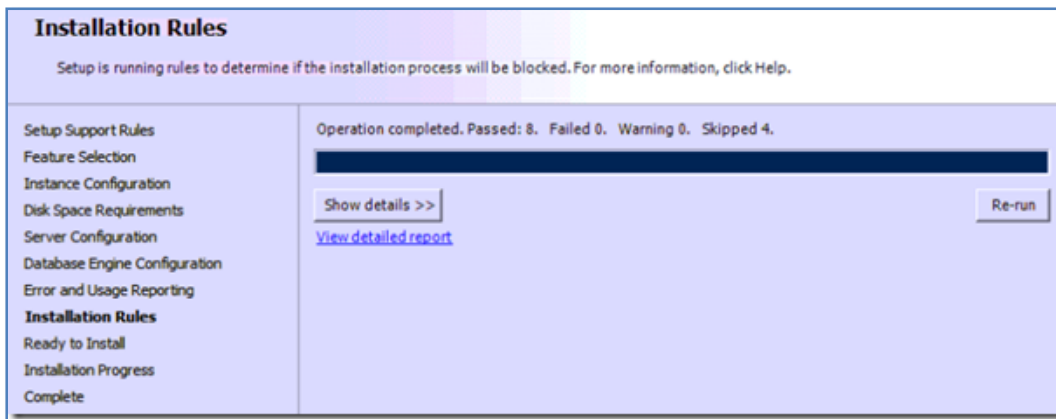
The screenshot shows the 'Database Engine Configuration' window. The left sidebar lists various setup steps, with 'Database Engine Configuration' highlighted. The main area has tabs for 'Account Provisioning', 'Data Directories', 'User Instances', and 'FILESTREAM'. Under 'Account Provisioning', the 'Authentication Mode' is set to 'Windows authentication mode'. Below this, there are fields for 'Built-in SQL Server system administrator account', 'Enter password', and 'Confirm password'. A list box titled 'Specify SQL Server administrators' contains the entry 'SBS2008\robert (Robert Crane)'. To the right of this list box is a note: 'SQL Server administrators have unrestricted access to the Database Engine.' At the bottom are buttons for 'Add Current User', 'Add...', and 'Remove'.

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.

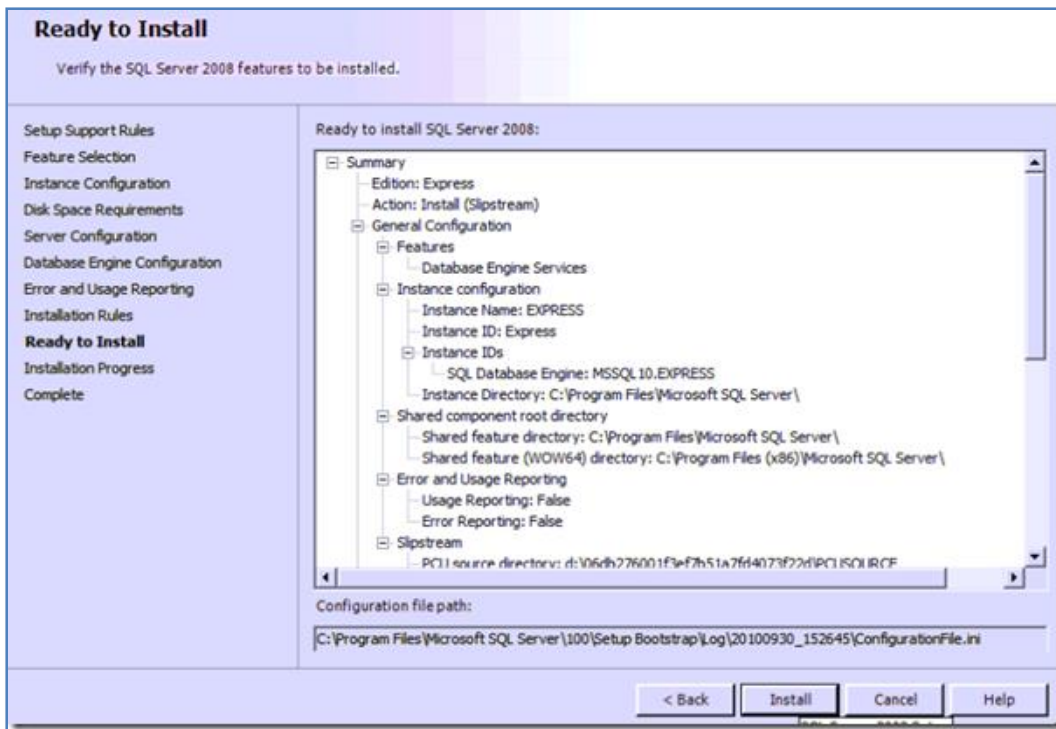
The screenshot shows the 'Error and Usage Reporting' window. The left sidebar lists various setup steps, with 'Error and Usage Reporting' highlighted. The main area contains text explaining that the information sent to Microsoft is optional and confidential. There are two links: 'View the Microsoft policy for SQL Server privacy and data collection' and 'Read more about Microsoft Update and Automatic Update'. At the bottom, there are two unchecked checkboxes: 'Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.' and 'Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use Microsoft software and services.'

Leave both of these options unchecked and continue.

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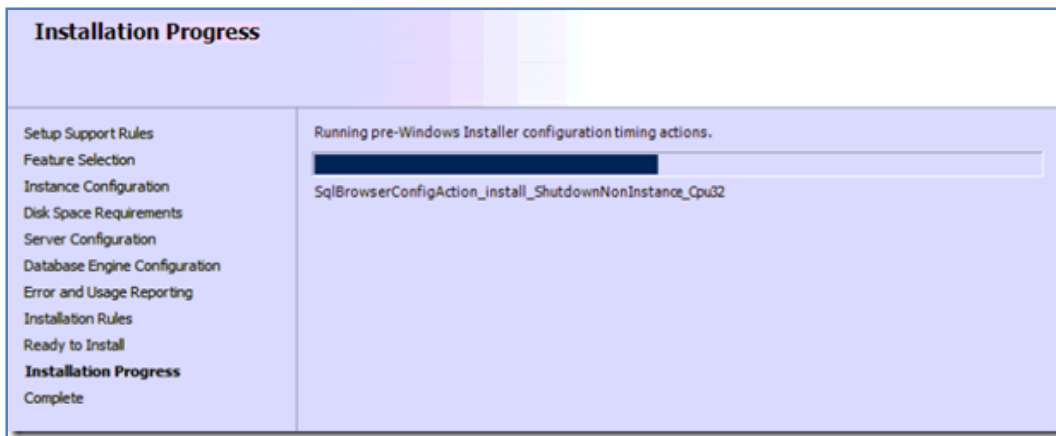


The process runs a few more checks and lets you know if there are any problems. If not, then continue.

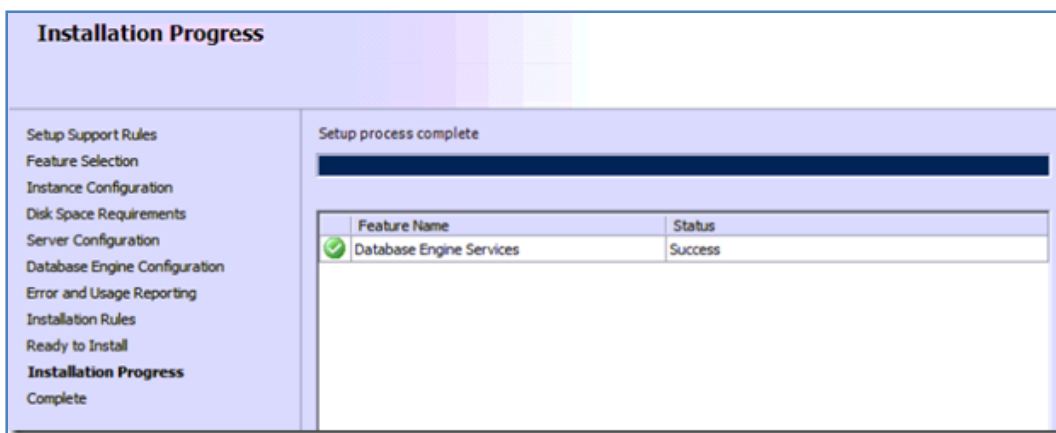


One last summary screen is displayed. Press **Install**.

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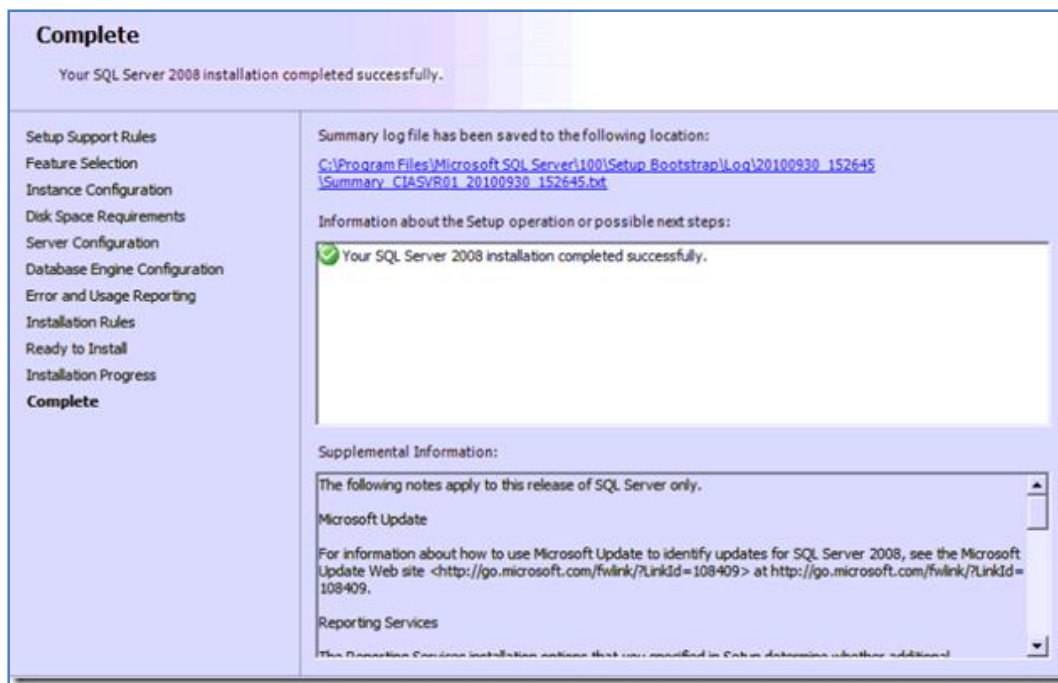


Files get copied to your system and configured using the options you just selected. This installation process may take a while (several minutes) depending on the speed of your machine.



When the installation is a success, continue.

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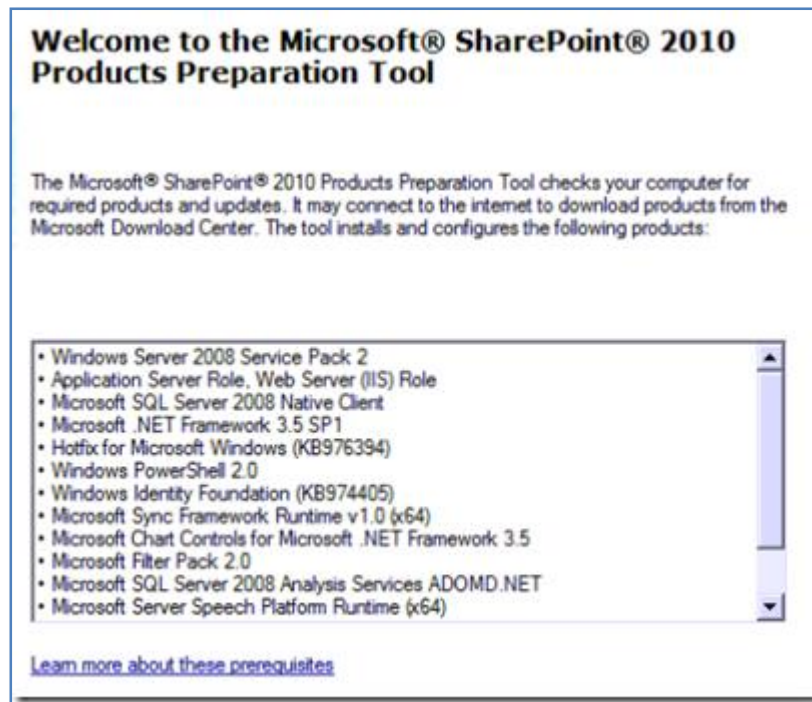


SQL Express 2008 is now on our SBS 2008 system. Now to install SharePoint Foundation Server 2010.

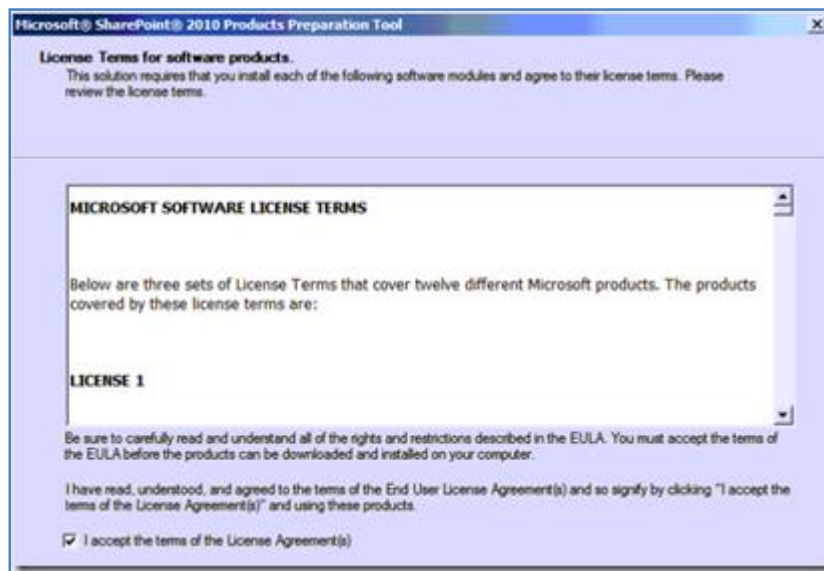


Run the SharePoint Foundation 2010 installation program again (you downloaded this in a previous step) and select option to **Install software prerequisites**.

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



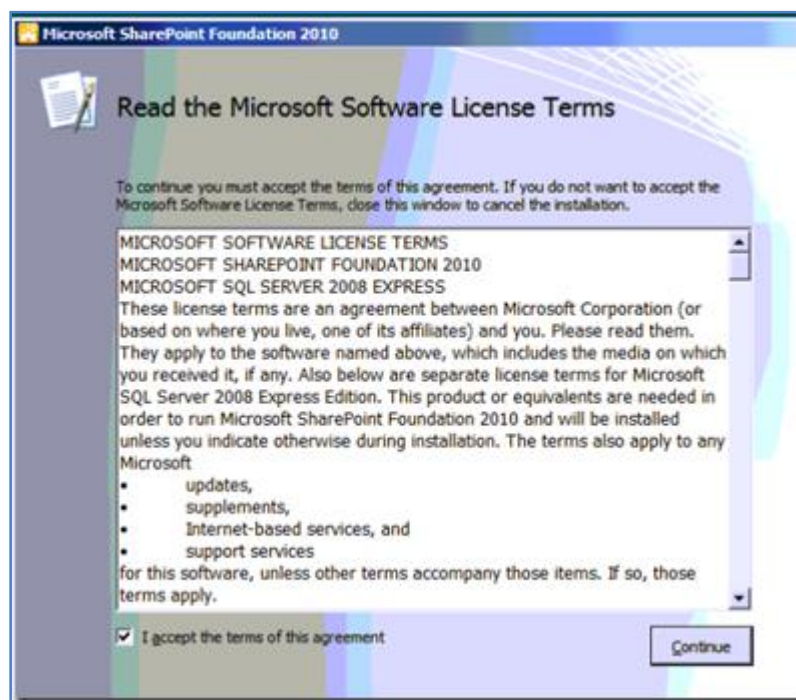
Accept the terms of the license and continue.

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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**.



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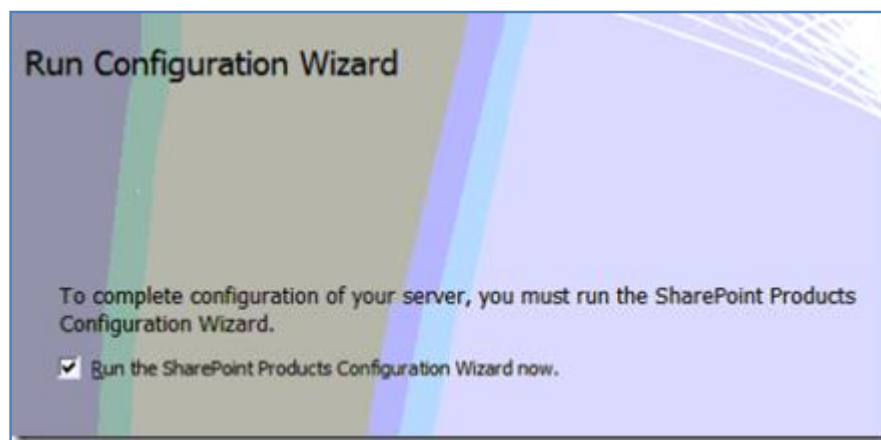
Accept the license agreement for SharePoint Foundation 2010 and press the **Continue** button.



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.

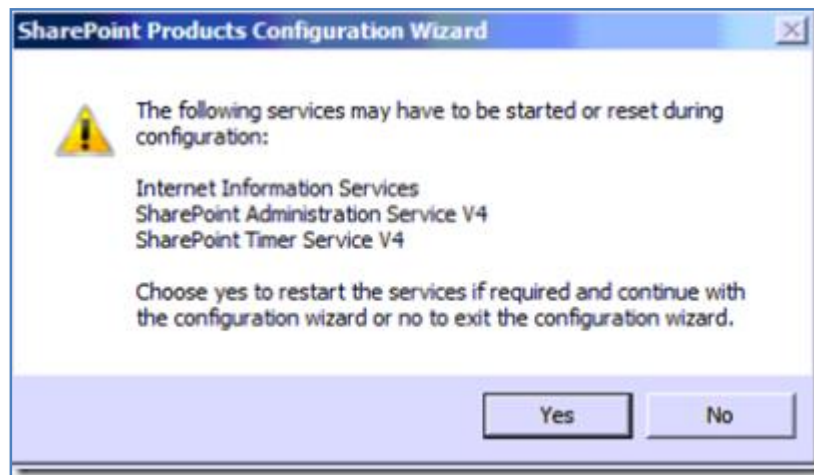


Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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.

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Specify Configuration Database Settings

All servers in a server farm must share a configuration database. Type the database server and database name. If the database does not exist, it will be created. To reuse an existing database, the database must be empty. For additional information regarding database server security configuration and network access please see [help](#).

Database server:

Database name:

Specify Database Access Account

Select an existing Windows account that this machine will always use to connect to the configuration database. If your configuration database is hosted on another server, you must specify a domain account. Type the username in the form DOMAIN\User_Name and password for the account.

Username:

Password:

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.



Specify Farm Security Settings

Please enter a new passphrase for the SharePoint Products farm. This passphrase is used to secure farm configuration data and is required for each server that joins the farm. The passphrase can be changed after the farm is configured.

Passphrase:

Confirm passphrase:

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).

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Configure SharePoint Central Administration Web Application

A SharePoint Central Administration Web Application allows you to manage configuration settings for a server farm. The first server added to a server farm must host this web application. To specify a port number for the web application hosted on this machine, check the box below and type a number between 1 and 65535. If you do not specify a port number, a random one will be chosen.

☐ Specify port number:

Configure Security Settings

Kerberos is the recommended security configuration to use with Integrated Windows authentication. Kerberos requires special configuration by the domain administrator. NTLM authentication will work with any application pool account and the default domain configuration. [Show me more information.](#)

Choose an authentication provider for this Web Application.

☒ NTLM
☐ Negotiate (Kerberos)

You can specify the port at on 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.

Completing the SharePoint Products Configuration Wizard

The following configuration settings will be applied:

■ Configuration Database Server	<input type="text" value="ciasvr01\express"/>
■ Configuration Database Name	<input type="text" value="SharePoint_Config"/>
■ Host the Central Administration Web Application	<input type="text" value="yes"/>
■ Central Administration URL	<input type="text" value="http://ciasvr01:34947/"/>
■ Authentication provider	<input type="text" value="NTLM"/>

Click Next to apply configuration settings.

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

Configuring SharePoint Products

Please wait while SharePoint Products are configured.

Performing configuration task 3 of 10

Creating the configuration database...

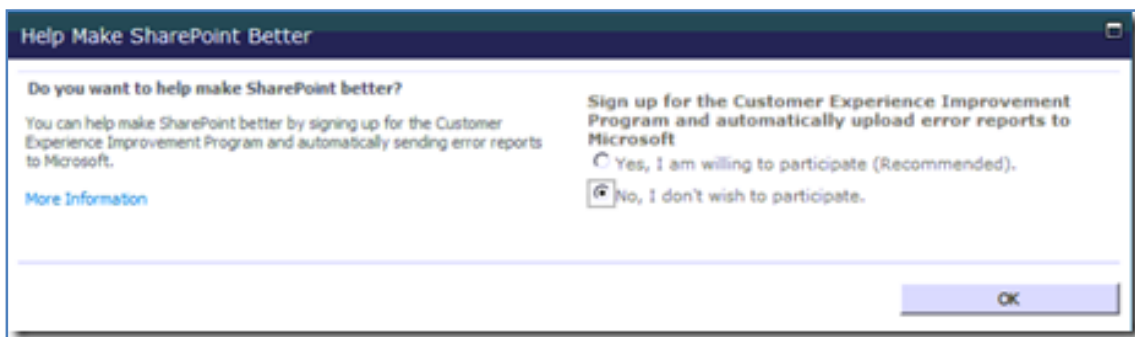
Progress bar showing approximately 25% completion.

The wizard will now complete its 10 steps.

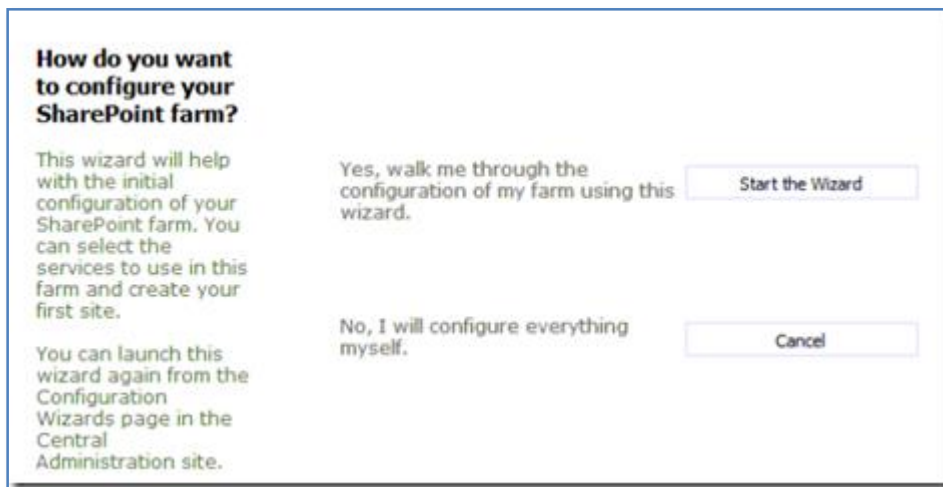
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



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**.

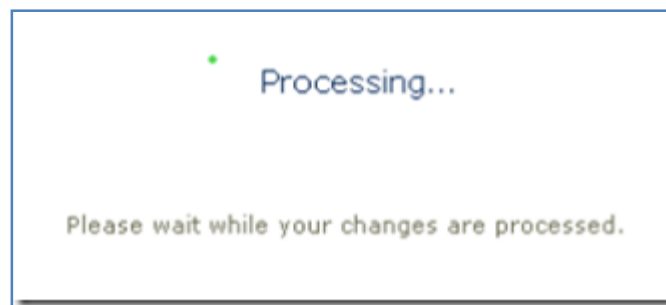


Click the **Start the Wizard** button.

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The screenshot shows the 'Service Account' and 'Services' configuration window. Under 'Service Account', the 'Use existing managed account' option is selected with a dropdown menu showing 'SBS2008\robert'. The 'Create new managed account' option is unselected, with empty fields for 'User name' and 'Password'. Under 'Services', two services are checked: 'Business Data Connectivity Service' and 'Usage and Health data collection'. The 'Business Data Connectivity Service' description states: 'Enabling this service provides the SharePoint farm with the ability to upload BDC models that describe the interfaces of your enterprises' line of business systems and thereby access the data within these systems.' The 'Usage and Health data collection' description states: 'This service collects farm wide usage and health data and provides the ability to view various usage and health reports.'

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.

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

Title:

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.

URL:

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

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.

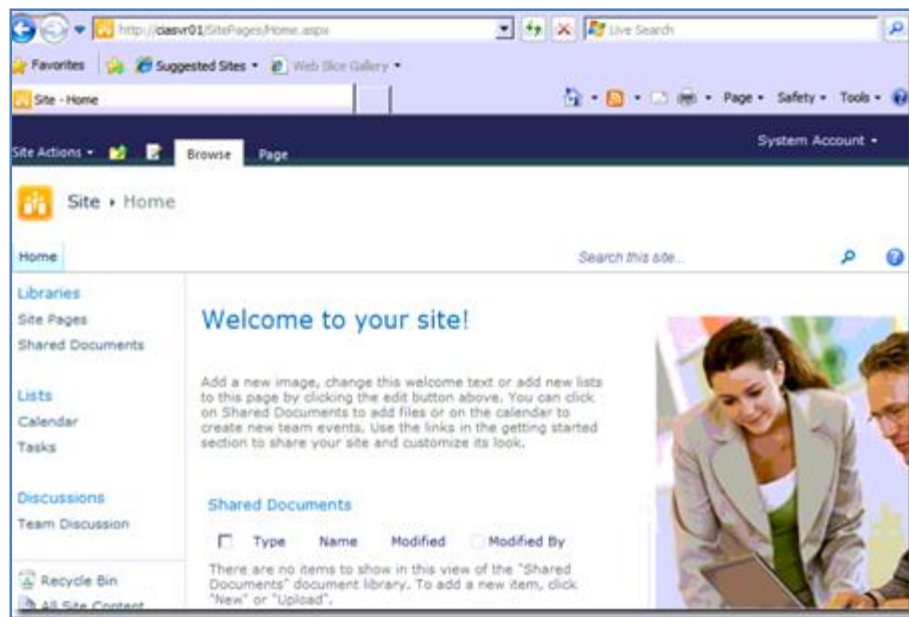
To return to this wizard, or access additionally installed wizards, click 'Configuration Wizards' in the left navigation pane.

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

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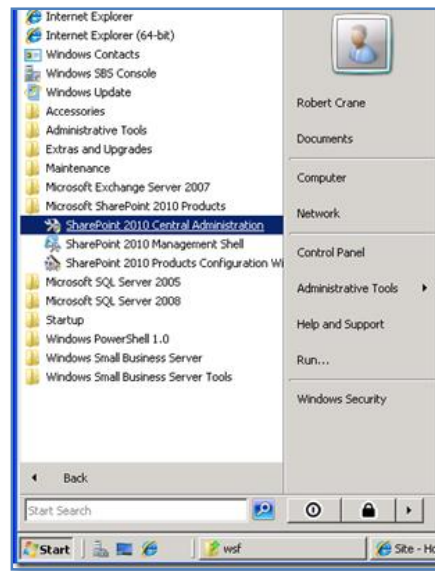
Upon clicking **Finish** you'll be taken to the *SharePoint Central Administration* web site. It should look as shown above.



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.

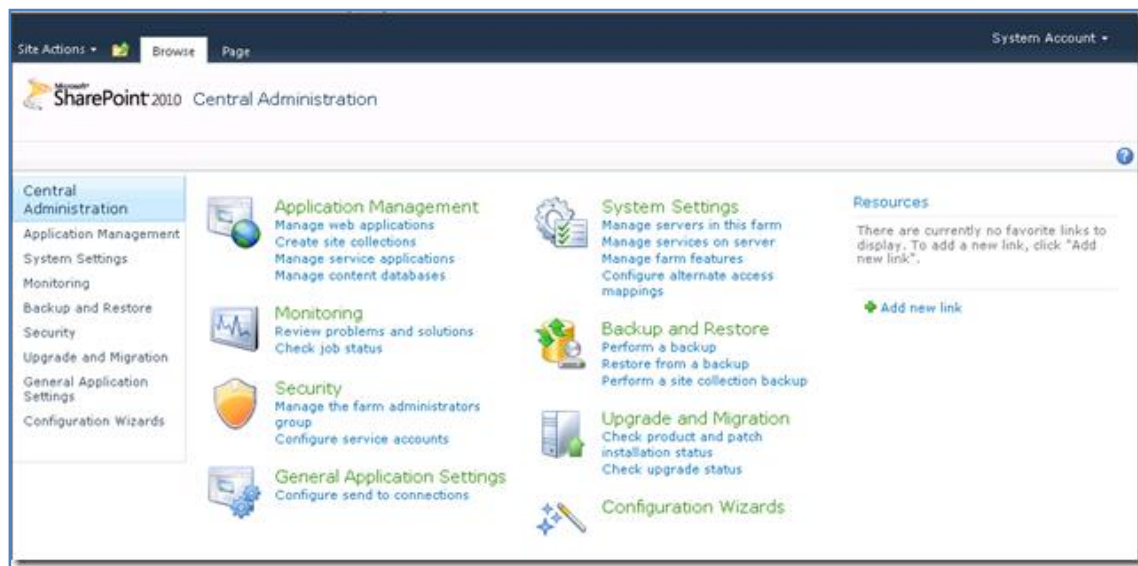
Step 7 - Remove the default Web application in SharePoint Central Administration

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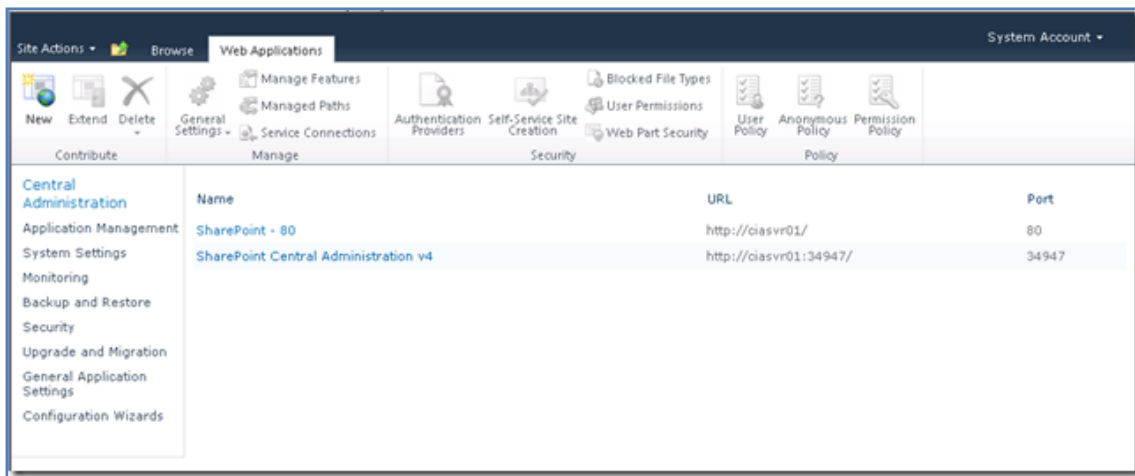
Click **Start | All programs | Microsoft SharePoint 2010 Products | SharePoint 2010 Central Administration**.

Accept the UAC that appears

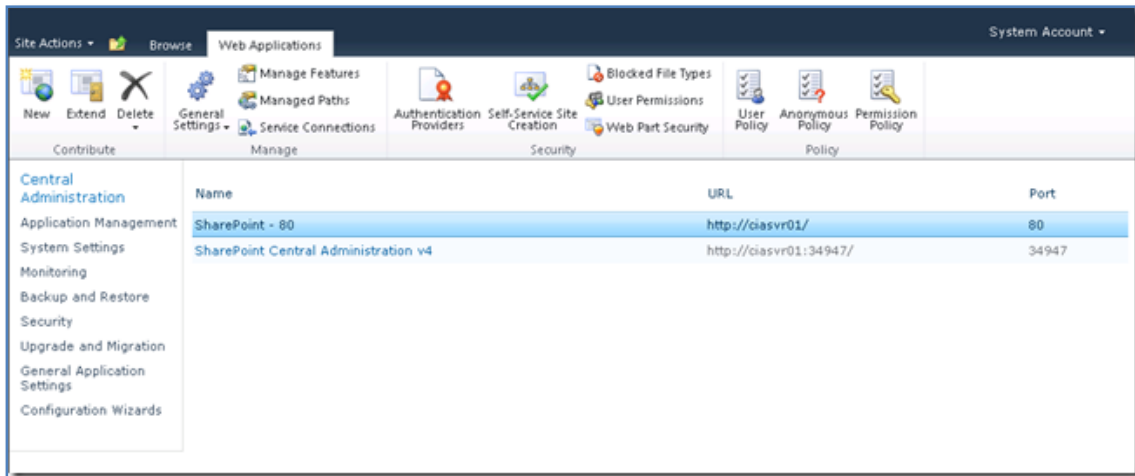


From under *Application Management* select **Manage Web applications**.

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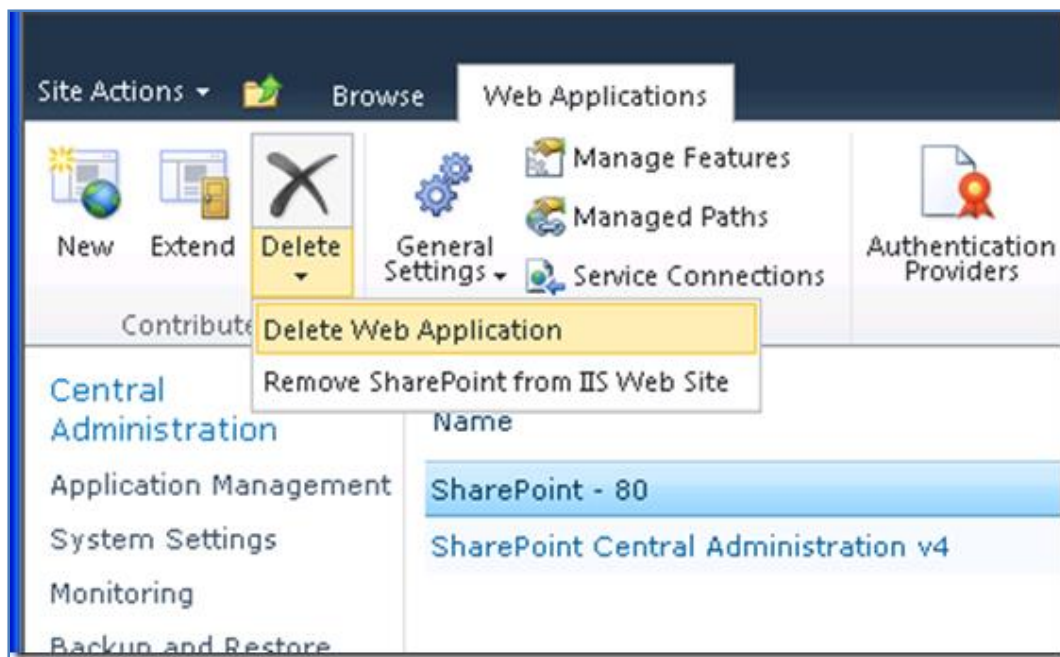


Click on the site **SharePoint – 80**.

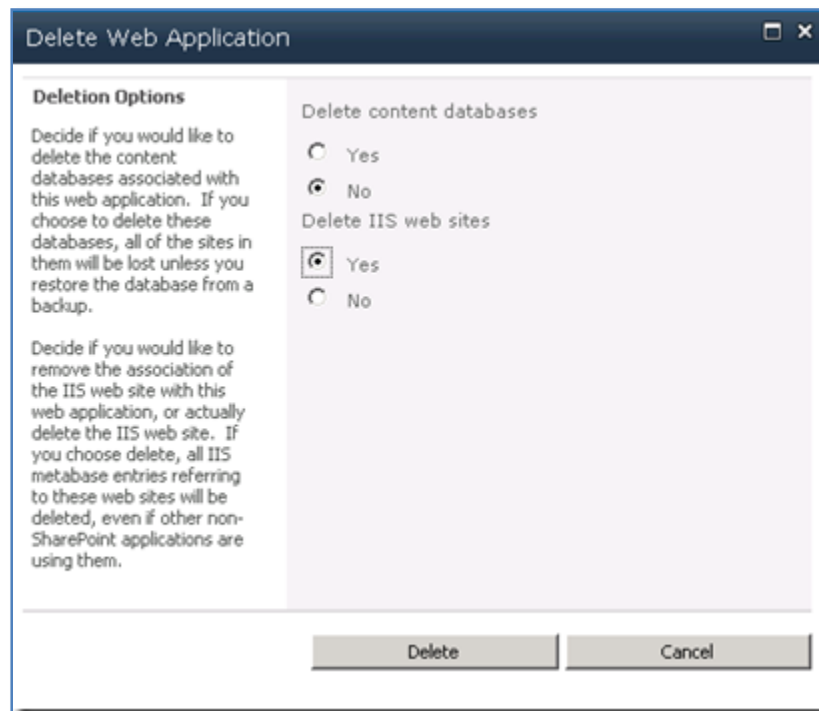


Select the **pull down arrow** under the *Delete* button on the ribbon.

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



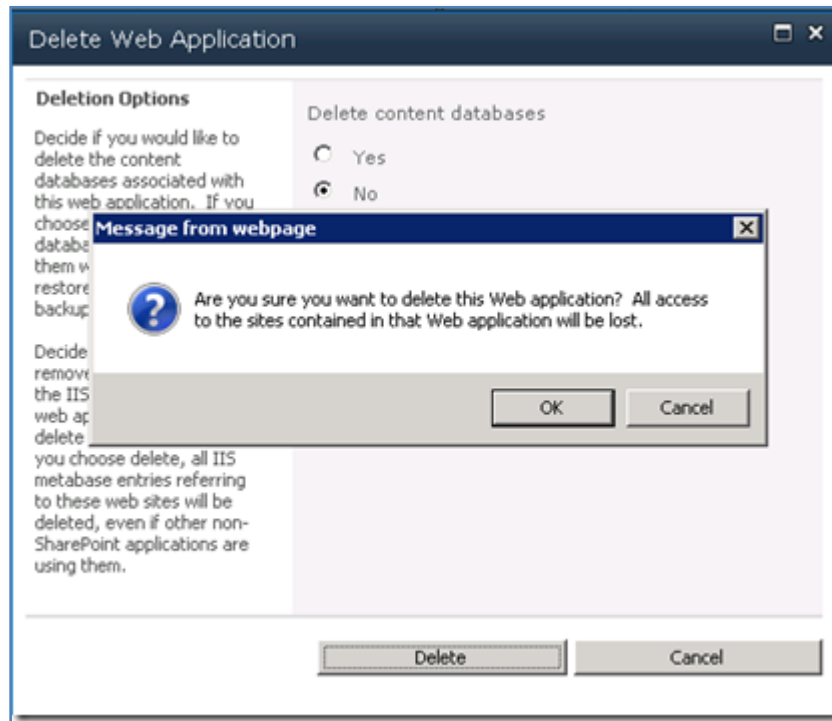
and select **Delete Web Application**



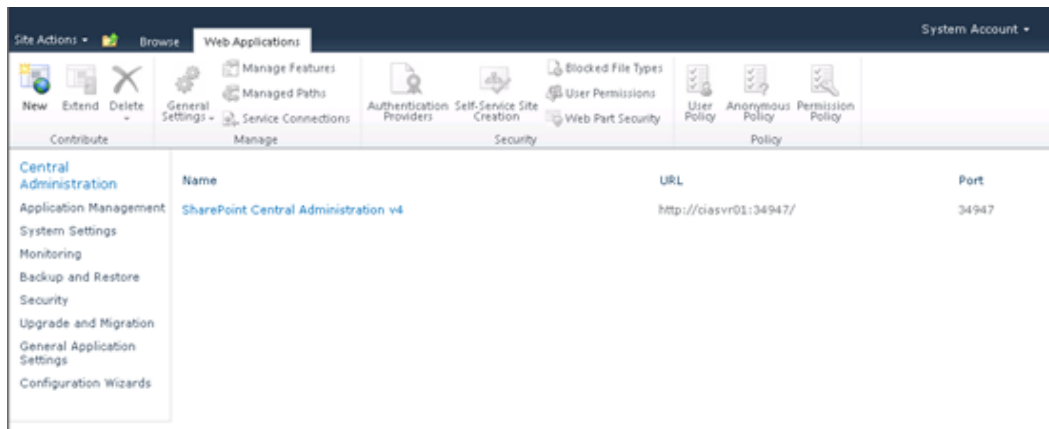
In the dialog that appears select *Delete content databases* = **No** and *Delete IIS Web sites* = **Yes**.

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Press the **Delete** button to continue.

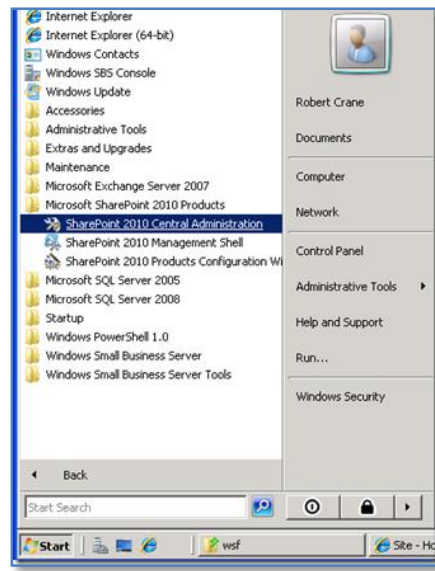


Click **OK** to confirm.



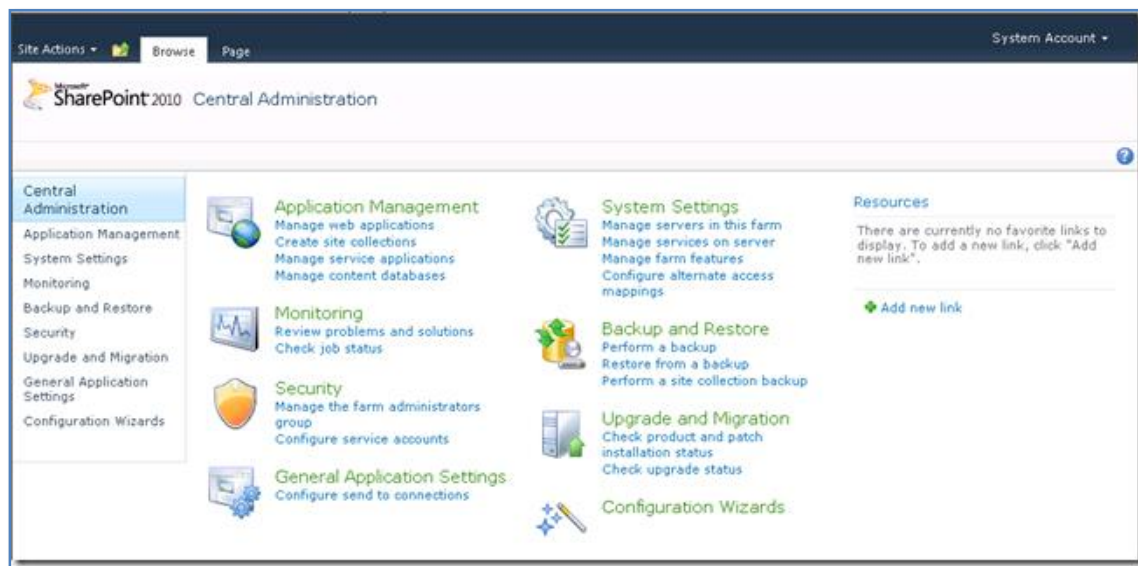
Step 8 - Create a new SharePoint application in SharePoint Central Administration

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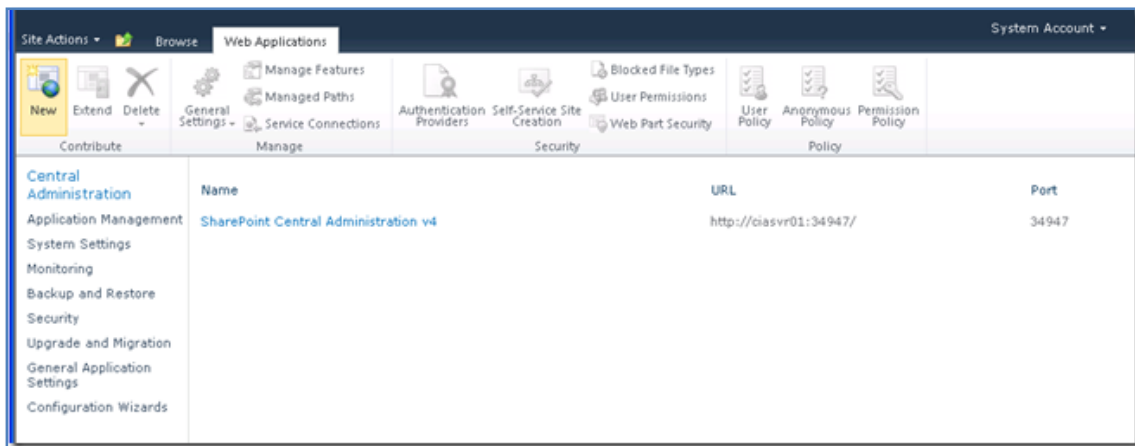
Click **Start | All programs | Microsoft SharePoint 2010 Products | SharePoint 2010 Central Administration**.

Accept the UAC that appears.

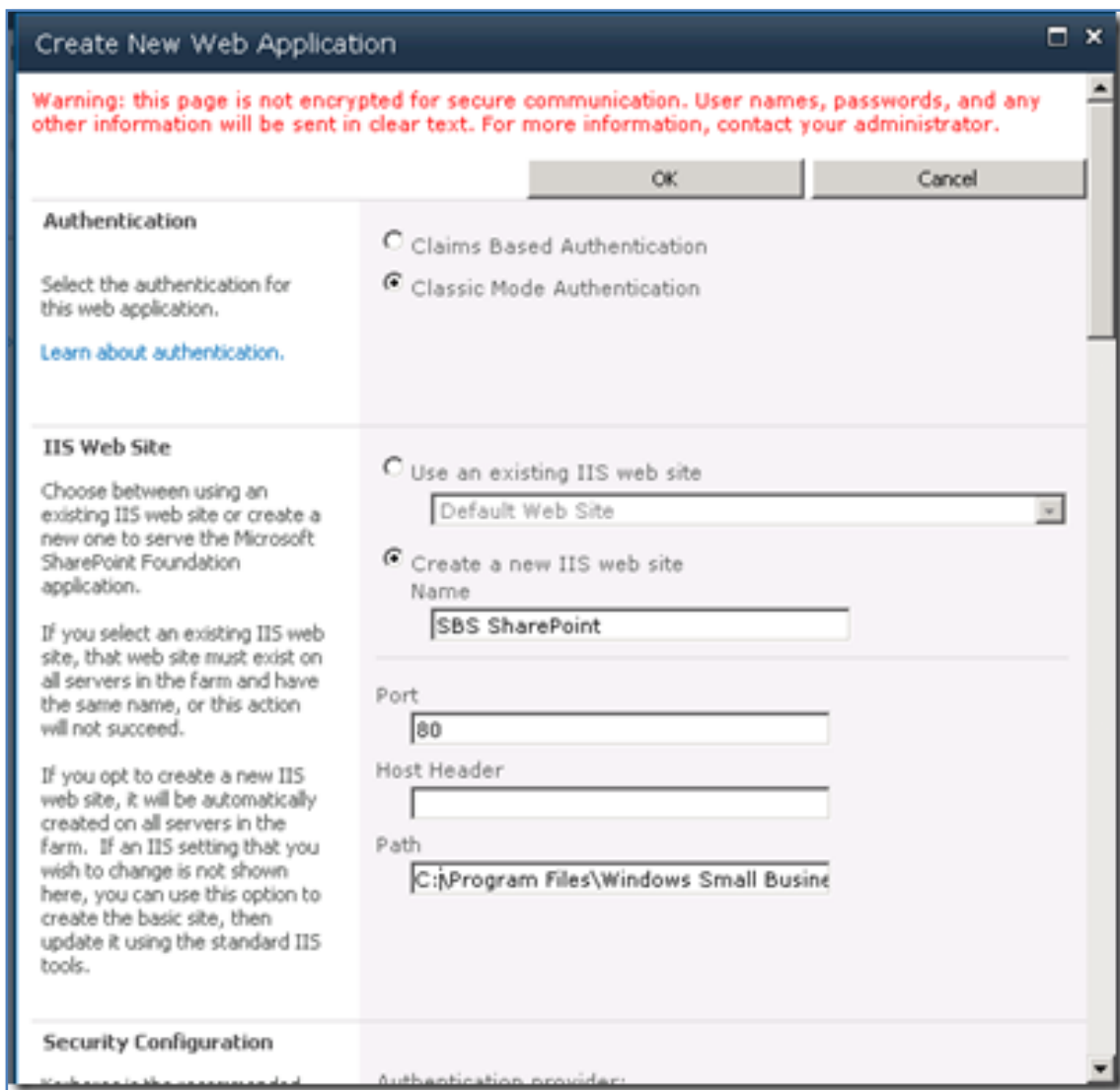


From under *Application Management* select **Manage Web applications**.

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



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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.

Create New Web Application

Security Configuration

Kerberos is the recommended security configuration to use with Integrated Windows authentication. Kerberos requires the application pool account to be Network Service or special configuration by the domain administrator. NTLM authentication will work with any application pool account and the default domain configuration.

If you choose to use Secure Sockets Layer (SSL), you must add the certificate on each server using the IIS administration tools. Until this is done, the web application will be inaccessible from this IIS web site.

Authentication provider:

☐ Negotiate (Kerberos)

☒ NTLM

Allow Anonymous

☐ Yes

☒ No

Use Secure Sockets Layer (SSL)

☐ Yes

☒ No

Public URL

The public URL is the domain name for all sites that users will access in this SharePoint Web application. This URL domain will be used in all links shown on pages within the web application. By default, it is set to the current servername and port.

<http://go.microsoft.com/fwlink/?LinkId=114854>

URL

Zone

Application Pool

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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.

The screenshot shows the 'Create New Web Application' dialog box. It is divided into several sections:

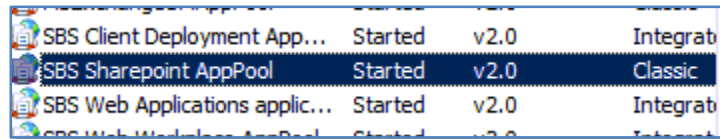
- Application Pool:** Contains instructions on choosing an application pool. It has two radio buttons: 'Use existing application pool' (selected) and 'Create new application pool'. The 'Use existing application pool' option has a dropdown menu showing 'Classic .NET AppPool (Network Service)'. The 'Create new application pool' option has a text box for 'Application pool name' containing 'SBS SharePoint AppPool'. Below this, there is a section for 'Select a security account for this application pool' with two radio buttons: 'Predefined' (selected) and 'Configurable'. The 'Predefined' option has a dropdown menu showing 'Network Service'. The 'Configurable' option has a dropdown menu showing 'SBS2008\robert' and a link 'Register new managed account'.
- Database Name and Authentication:** Contains instructions on using the default database server and name. It has a text box for 'Database Server' containing 'ciasvr01\express'. Below this, there is a text box for 'Database Name' containing 'WSS_Content_8e2c4a19703048f4b9a79'. Below this, there is a section for 'Database authentication' with two radio buttons: 'Windows authentication (recommended)' (selected) and 'SQL authentication'. The 'SQL authentication' option has text boxes for 'Account' and 'Password'.
- Failover Server:** A section at the bottom left.
- Failover Database Server:** A section at the bottom right.

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

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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	Status	Version	Integration
SBS Client Deployment App...	Started	v2.0	Integrat
SBS Sharepoint AppPool	Started	v2.0	Classic
SBS Web Applications applic...	Started	v2.0	Integrat
SBS Web Workflows AppPool	Started	v2.0	Integrat

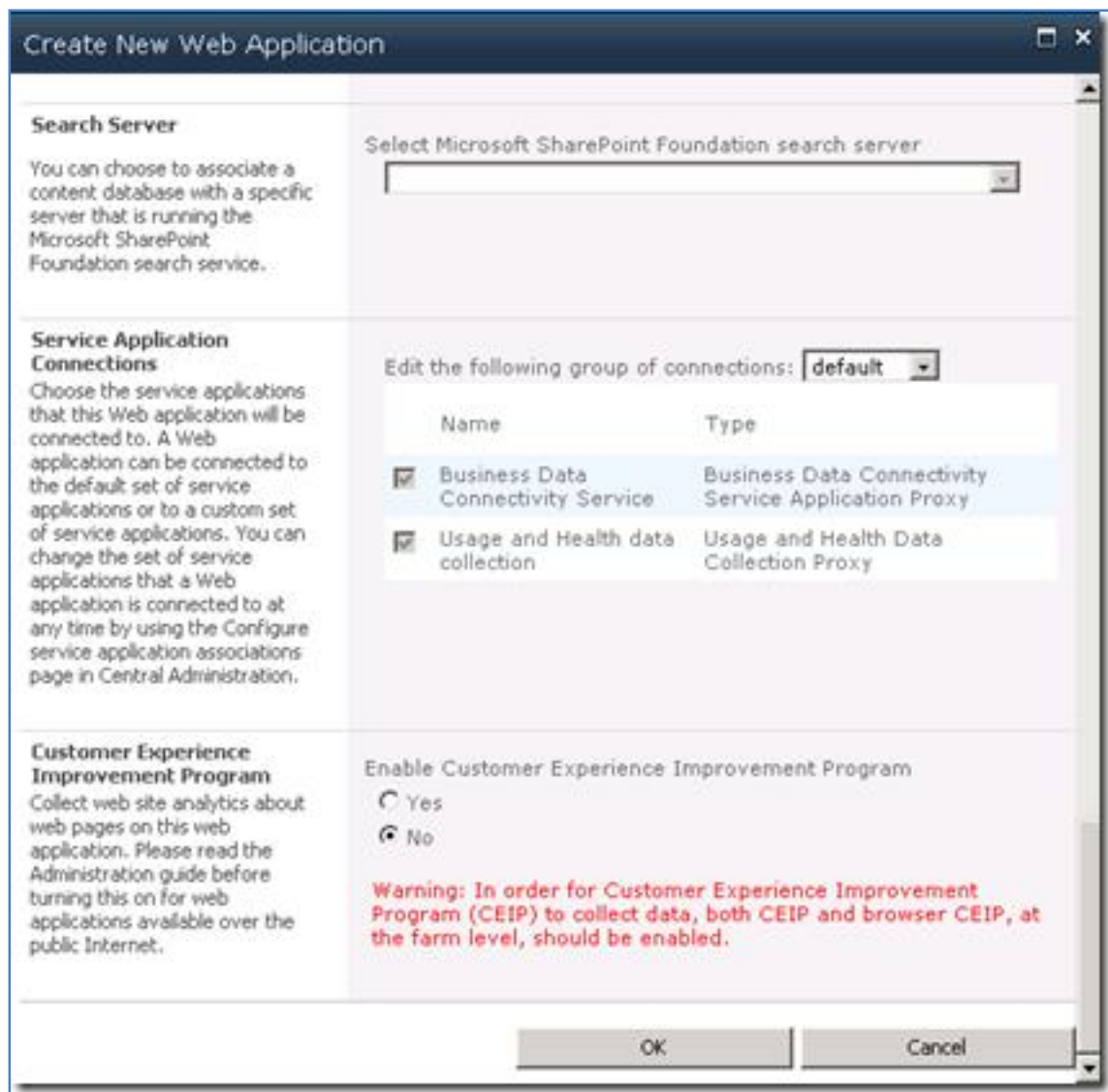
If you use the Microsoft naming convention the SharePoint site will not show as active in SBS console. It is recommended that you use the AppPool name SBS Sharepoint AppPool instead here)

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

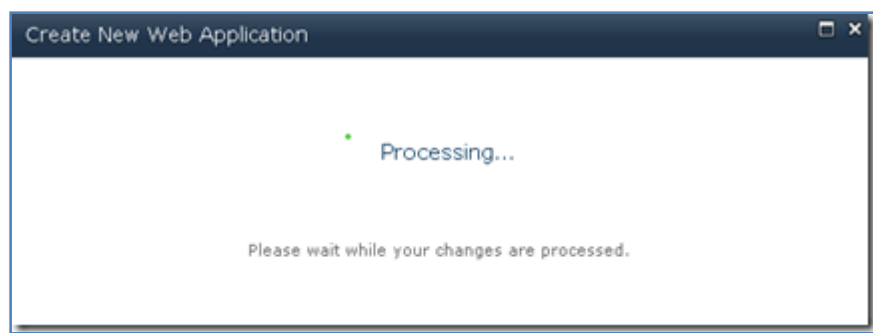
Ensure *Database authentication* = **Windows Authentication**

Scroll down for more options.

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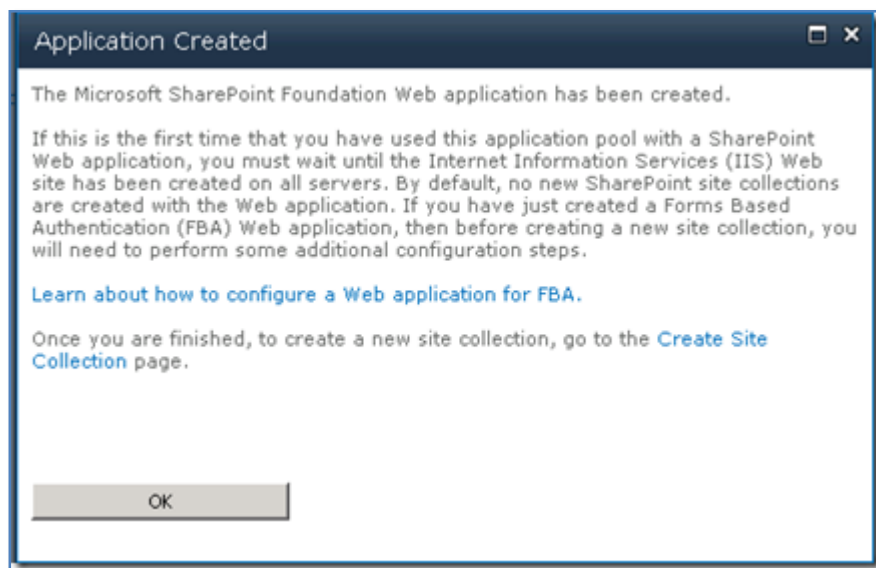


Don't make any further changes and press the **OK** button.



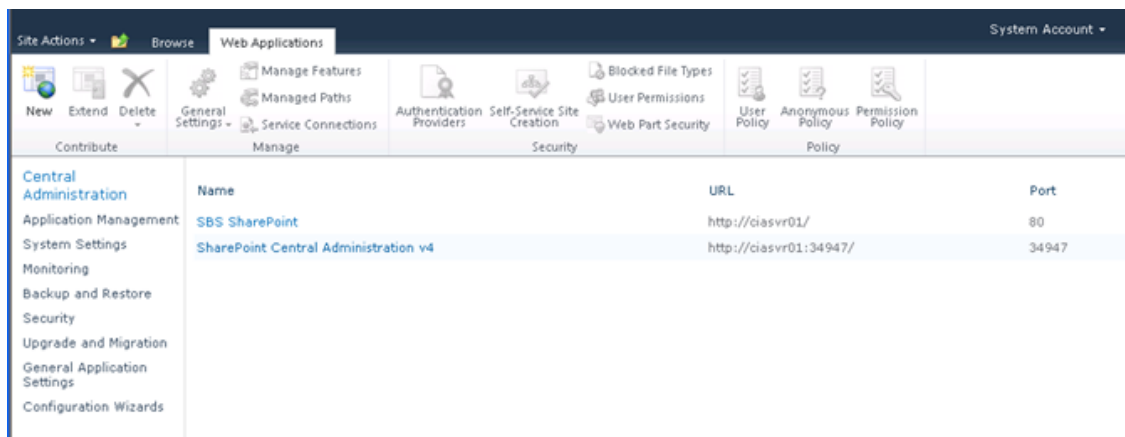
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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.



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.

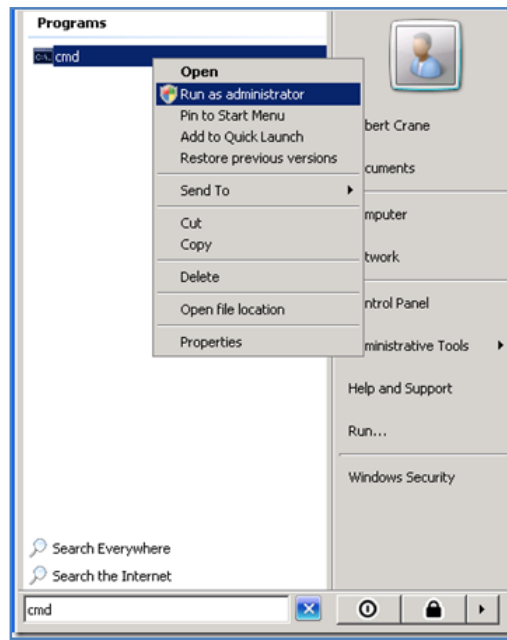
Step 9 - Detach the Windows SharePoint Services 3.0 database from Windows Internal Database

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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

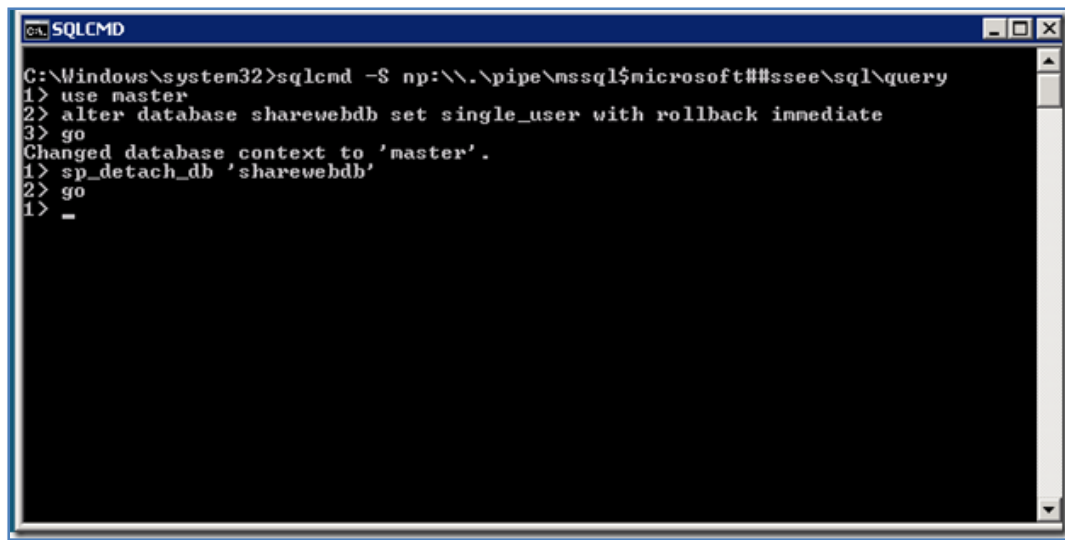
*(*Authors note. It would be better to install the SQL Management Studio Express to complete this step as you need it for the next step anyway and other maintenance in general. Although the SQLCMD utility is handy to have it isn't really necessary).*



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.

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

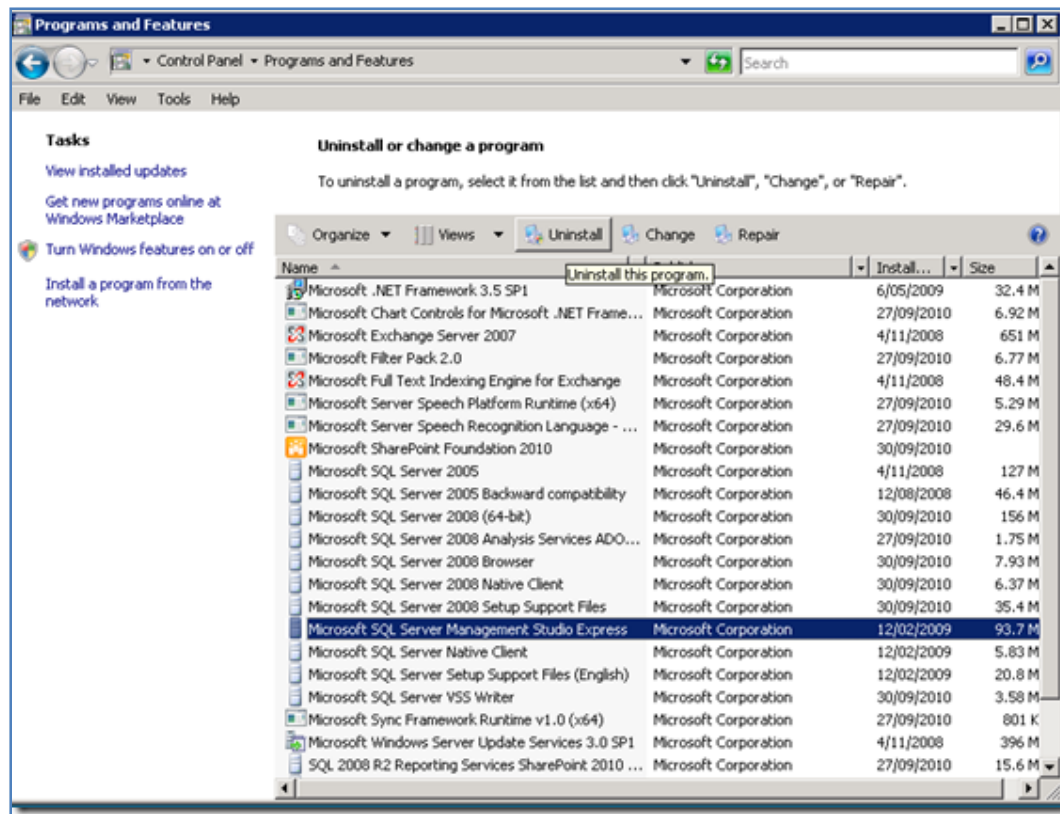
```
sqlcmd -S np:\\.\pipe\MSSQL$MICROSOFT##SSEE\sql\query
use master
alter database ShareWebDb set single_user with rollback immediate
go
sp_detach_db 'ShareWebDb'
go
```

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.

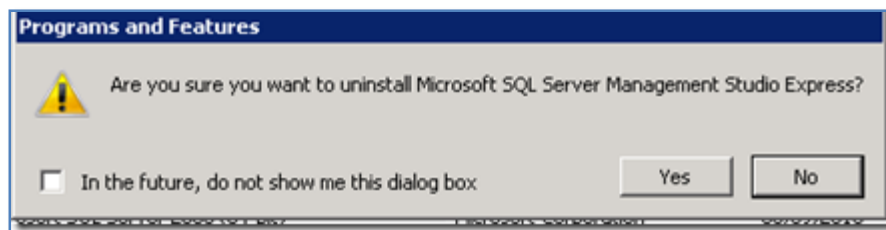
Step 10 - Attach the ShareWebDb database to SQL Server 2008

Select **Start | Control Panel | Programs and Features**.

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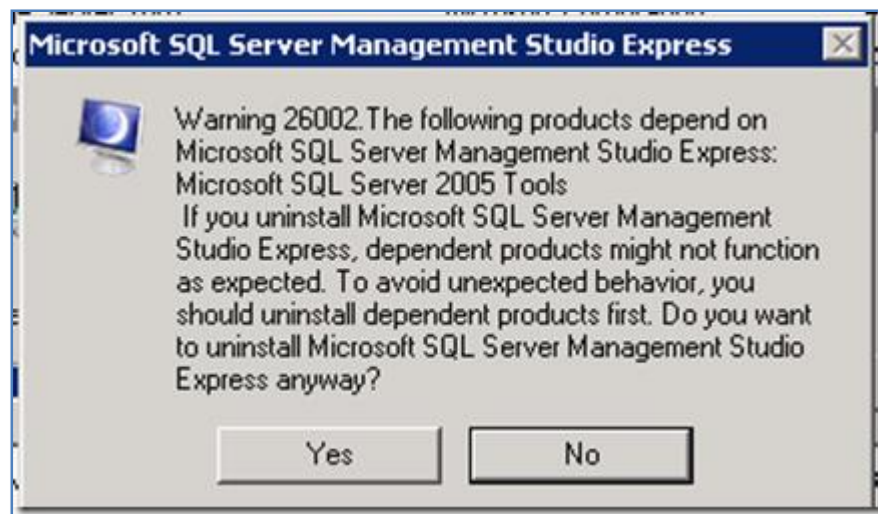


Locate the entry *Microsoft SQL Server Management Studio Express*. Select it and then click the **Uninstall** button at the top of the window.



Select **Yes** to continue.

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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.

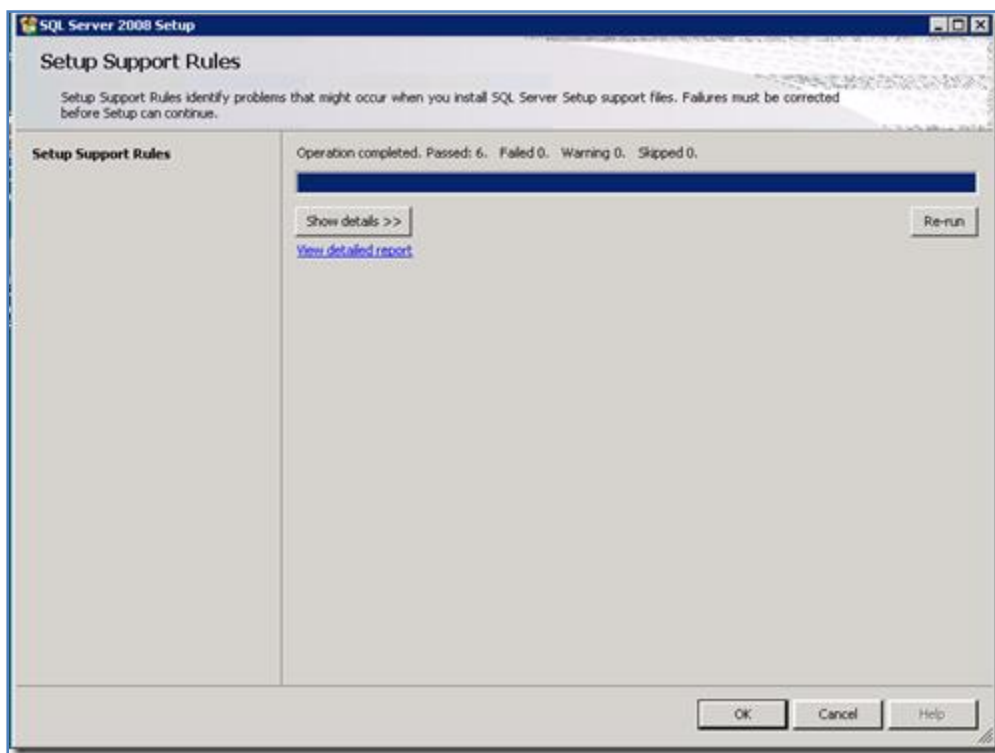


*(*Authors note – recommended that the install be run as an administrator)*

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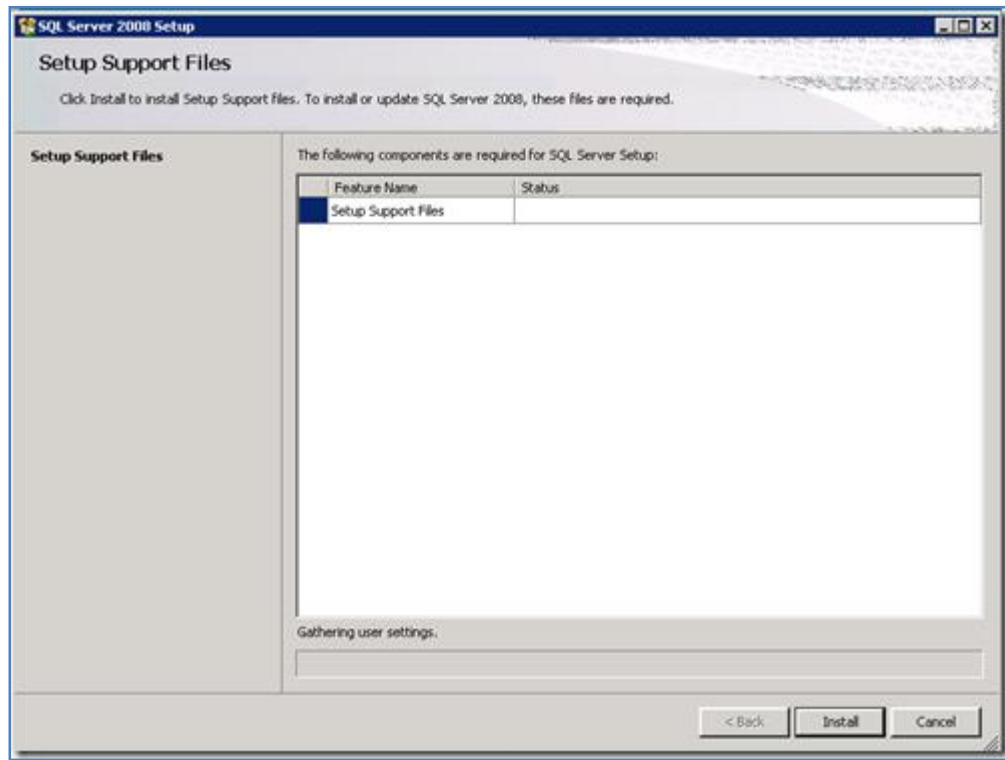


(*Authors note – Select **Installation** from menu on left and then **New SQL Server stand-alone installation or add features to an existing installation** on the right).



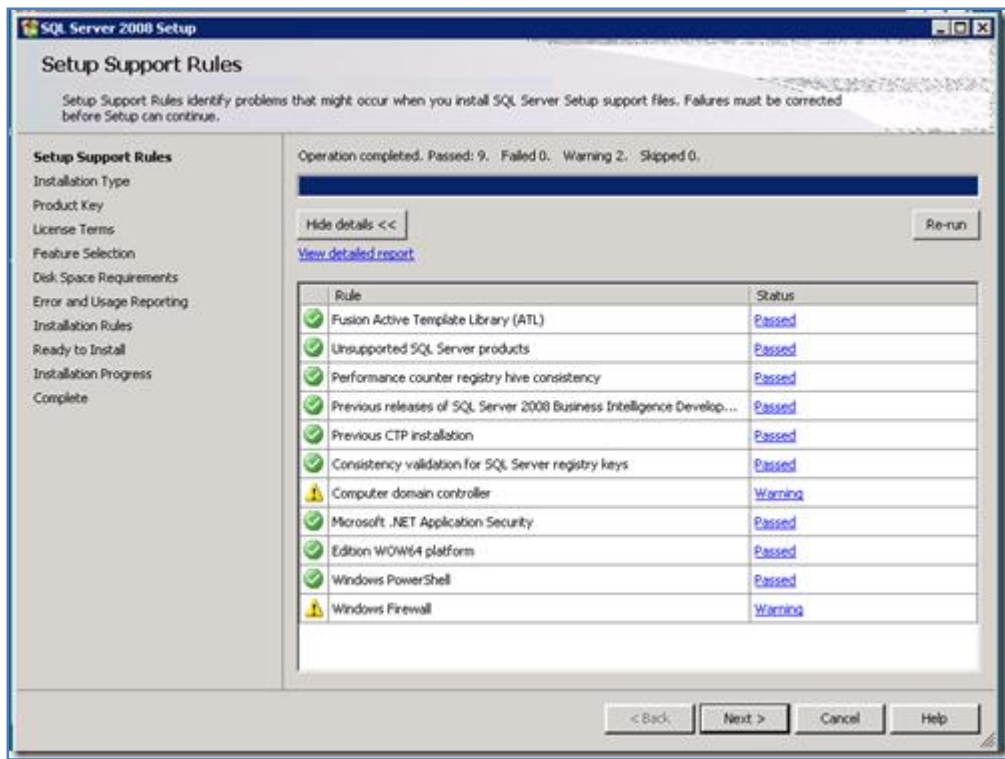
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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

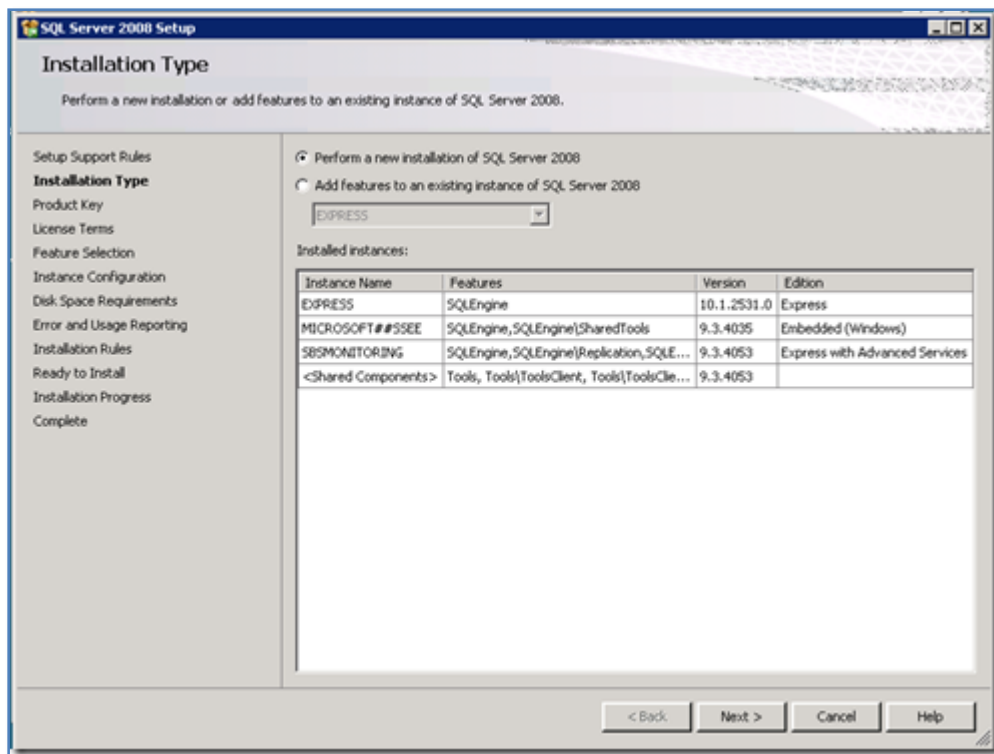


(*Authors note – select **Install** when available).

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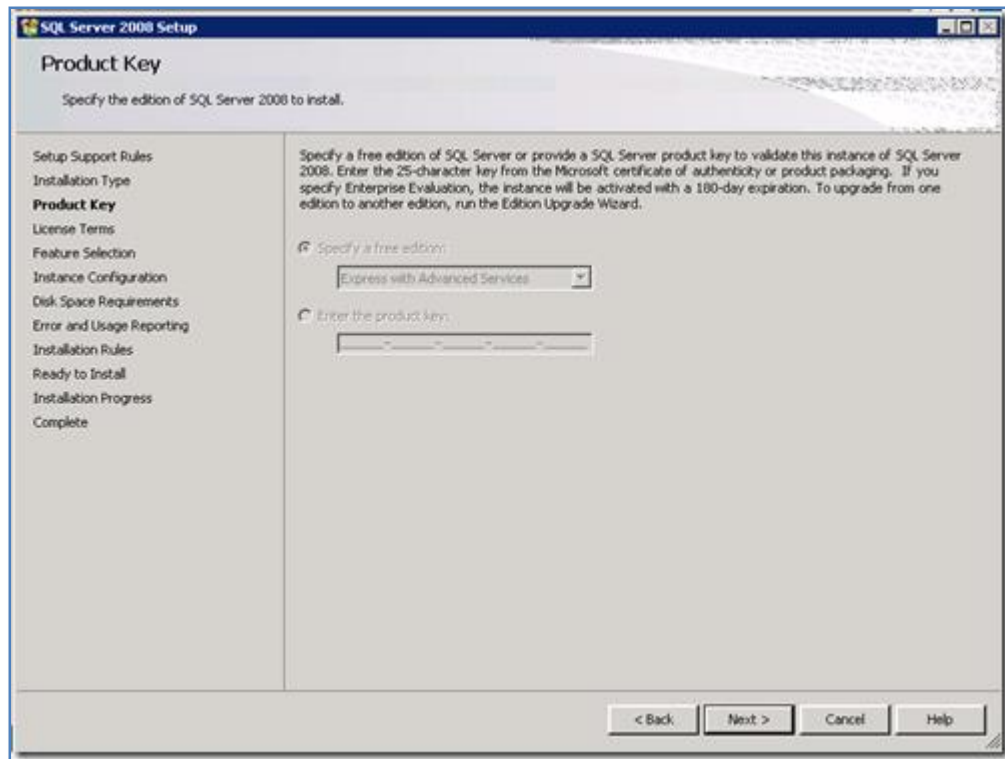
(*Authors note – select **Next** when available).



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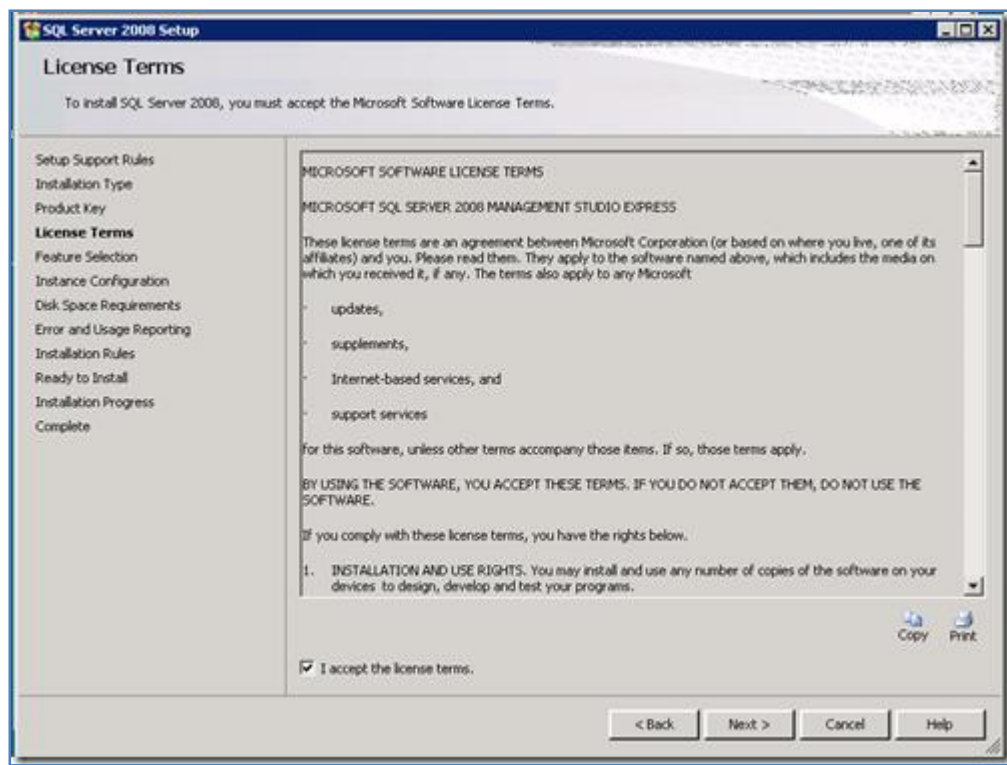
Select **Perform a new installation of SQL Server 2008**.

(*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).

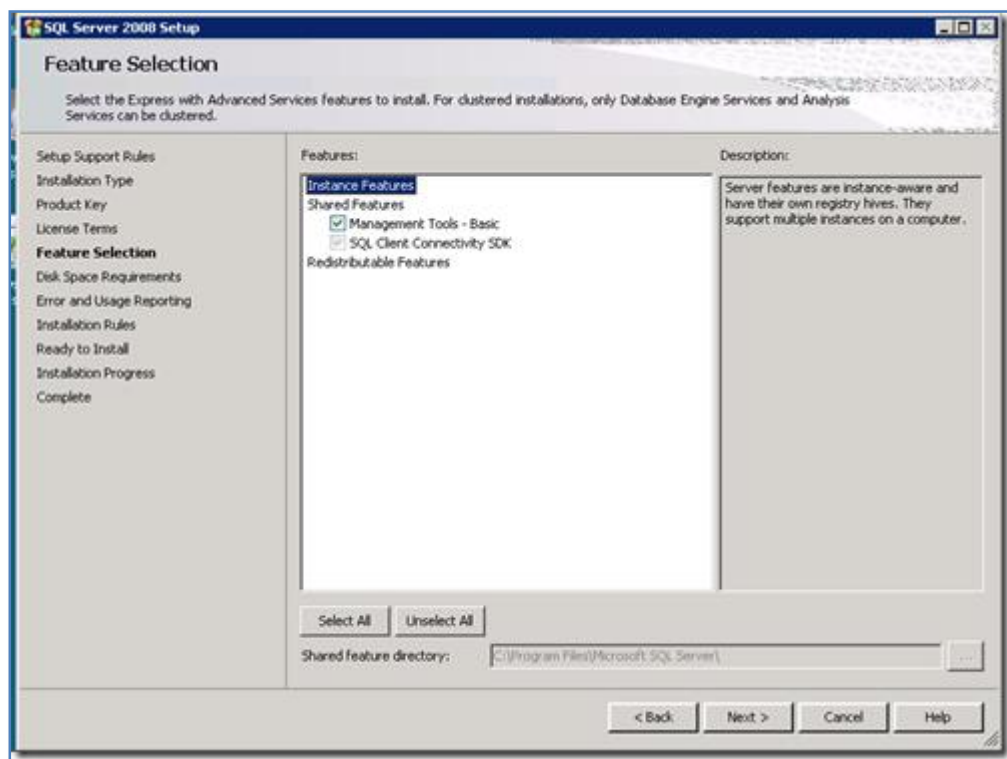


(*Authors note – select **Next** when available).

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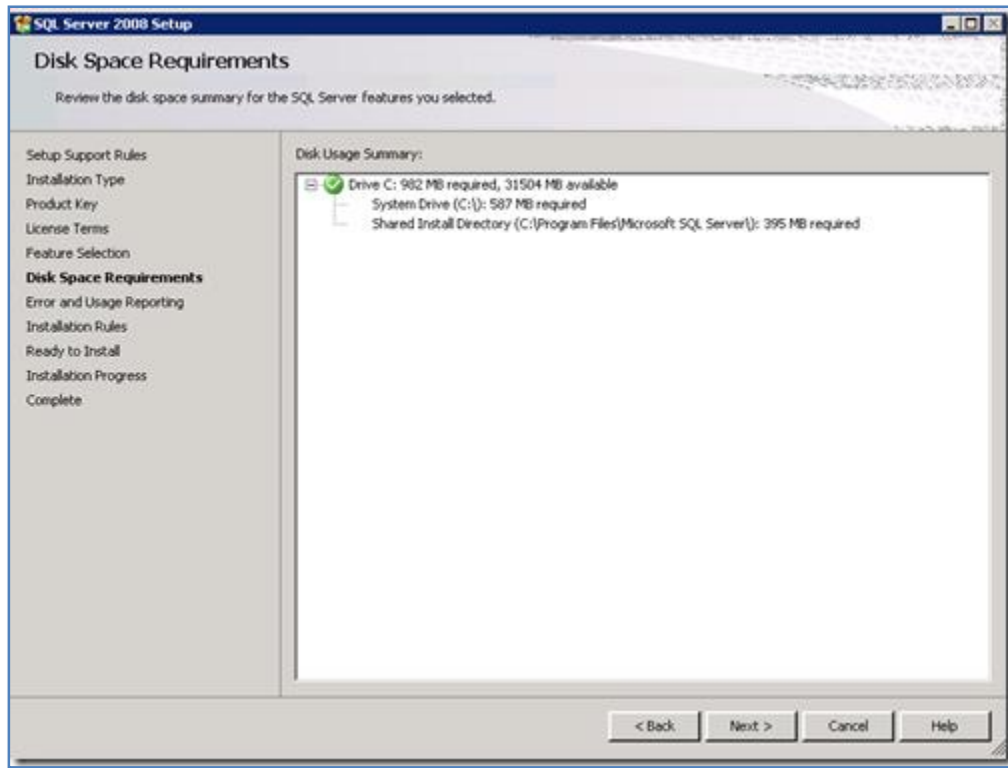
(*Authors note – select **I accept the license terms** and then **Next**).



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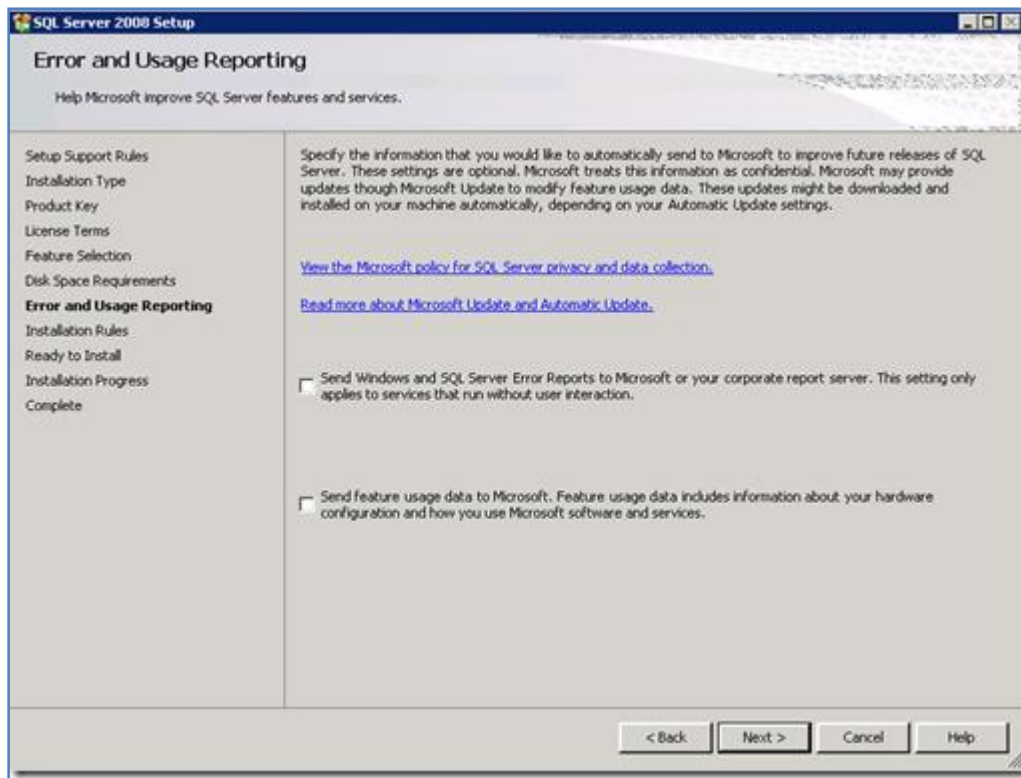
Select **Management Tools – Basic**.

(*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).



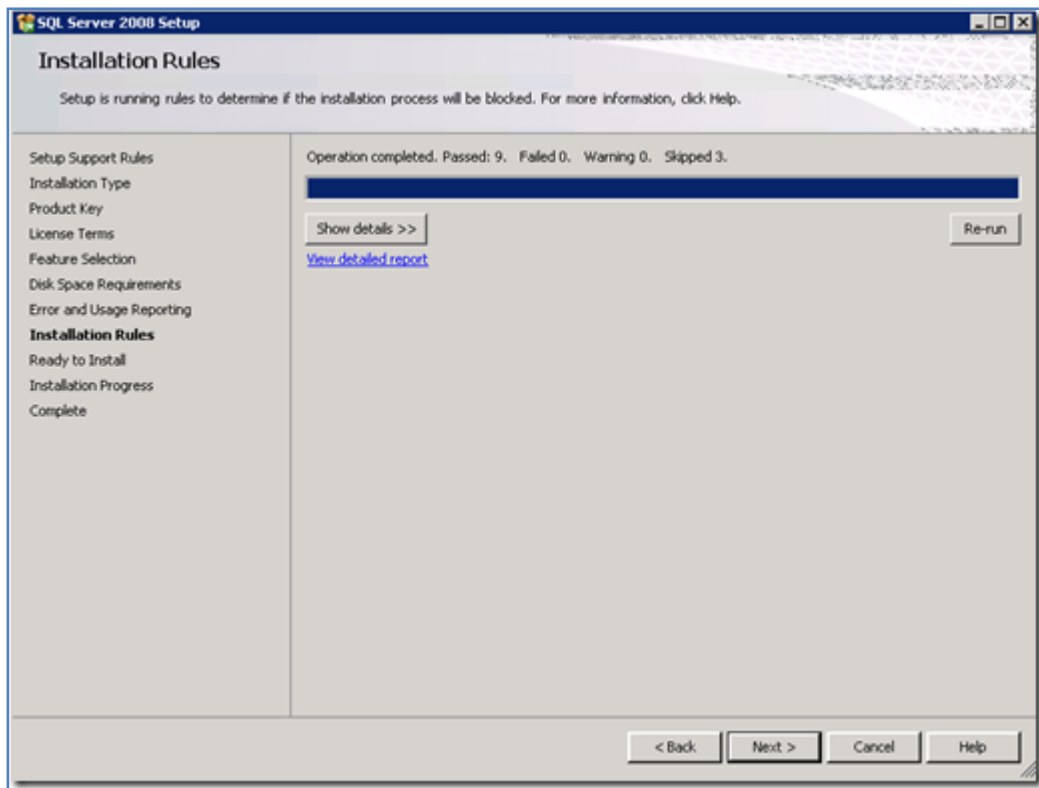
(*Authors note – select **Next** when available).

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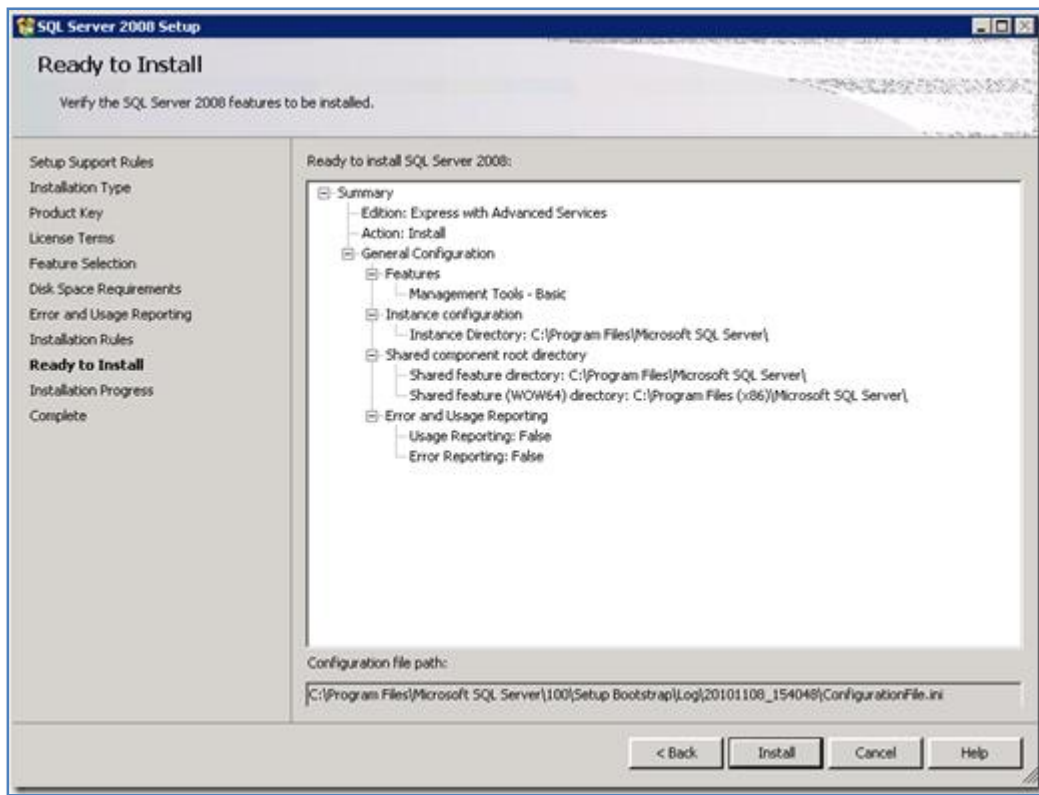
(*Authors note – leave all options unchecked and select **Next** when available).

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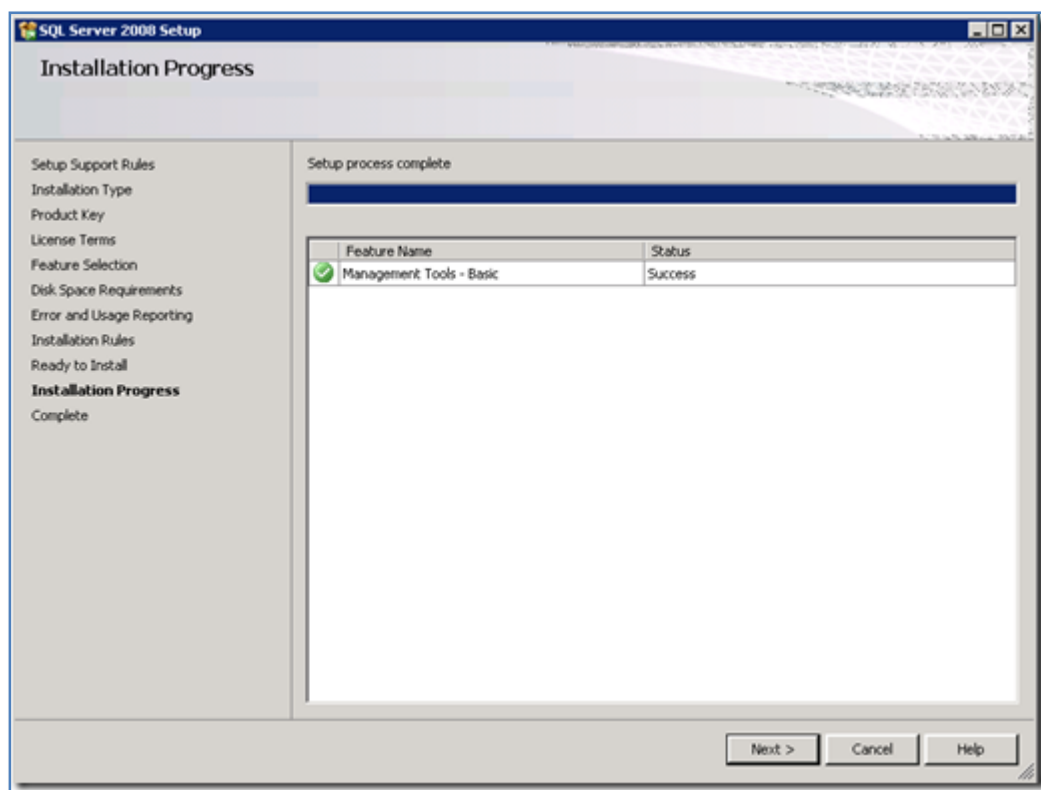
(*Authors note – select **Next** when available).

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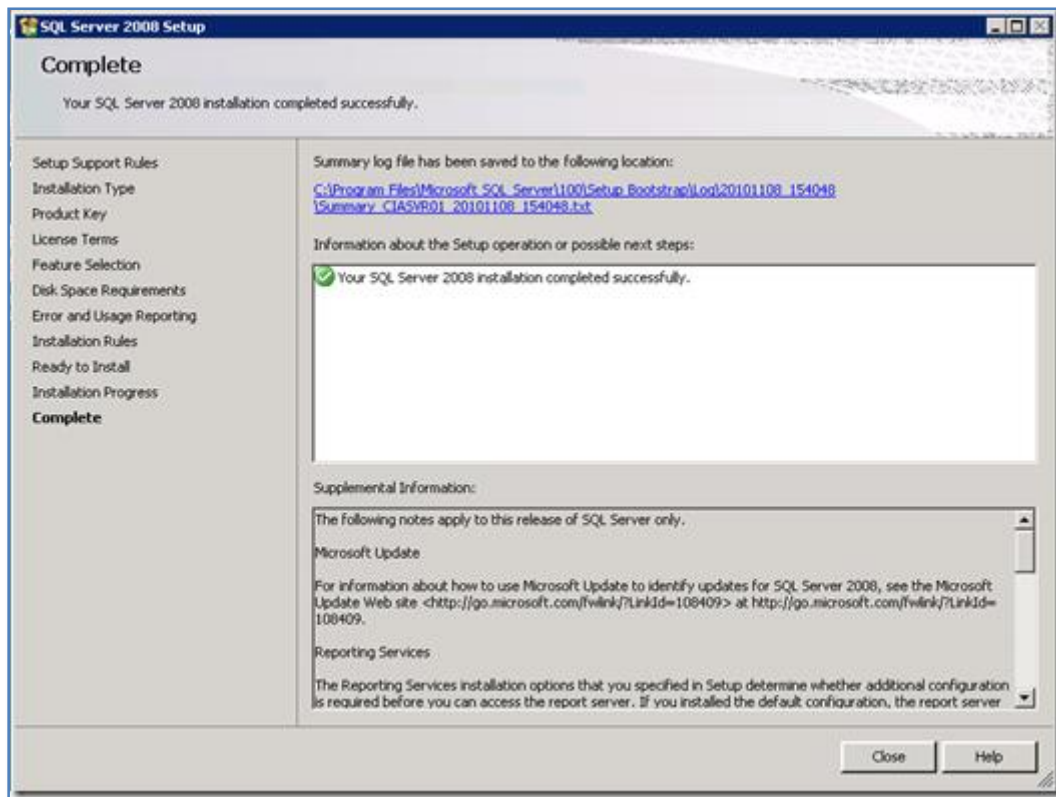
(*Authors note – select **Install** when available).

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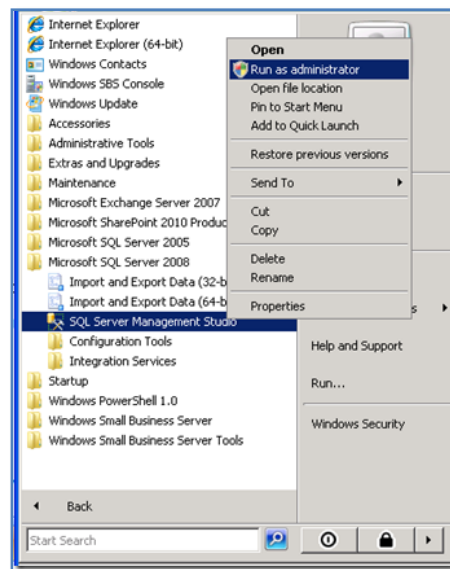


(*Authors note – select **Next** when available).

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



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



Run the *SQL Management Studio*.

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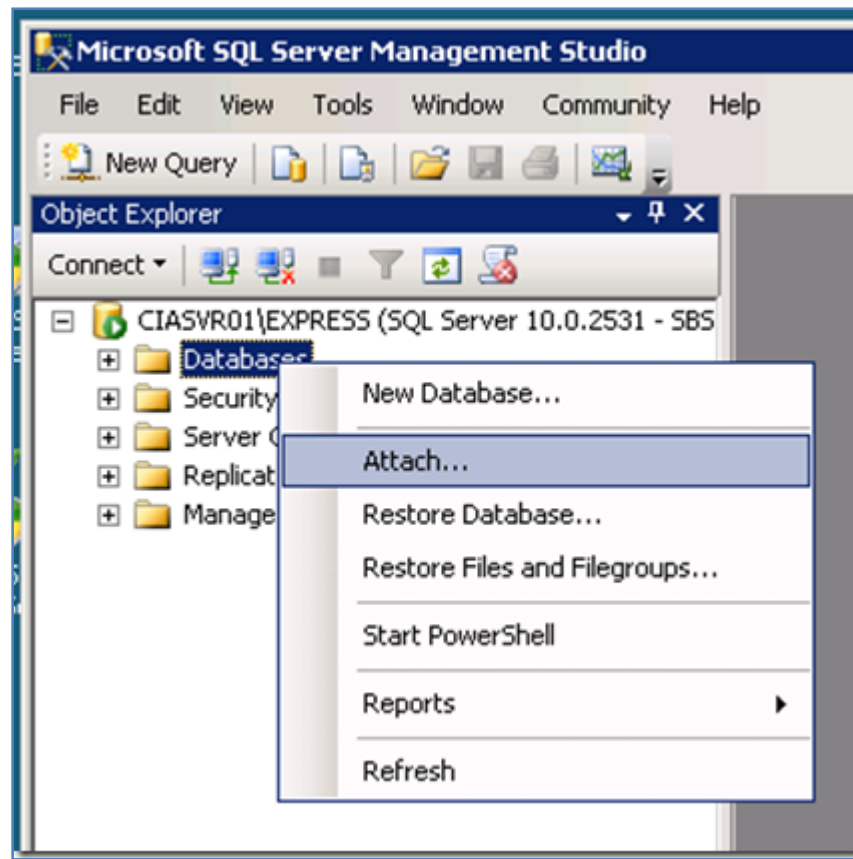
(*Authors note – select **Start | All Programs | Microsoft SQL Server 2008** and **right mouse click** on SQL Server Management Studio. Select **Run as administrator** from menu that appears. Accept UAC after this).



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

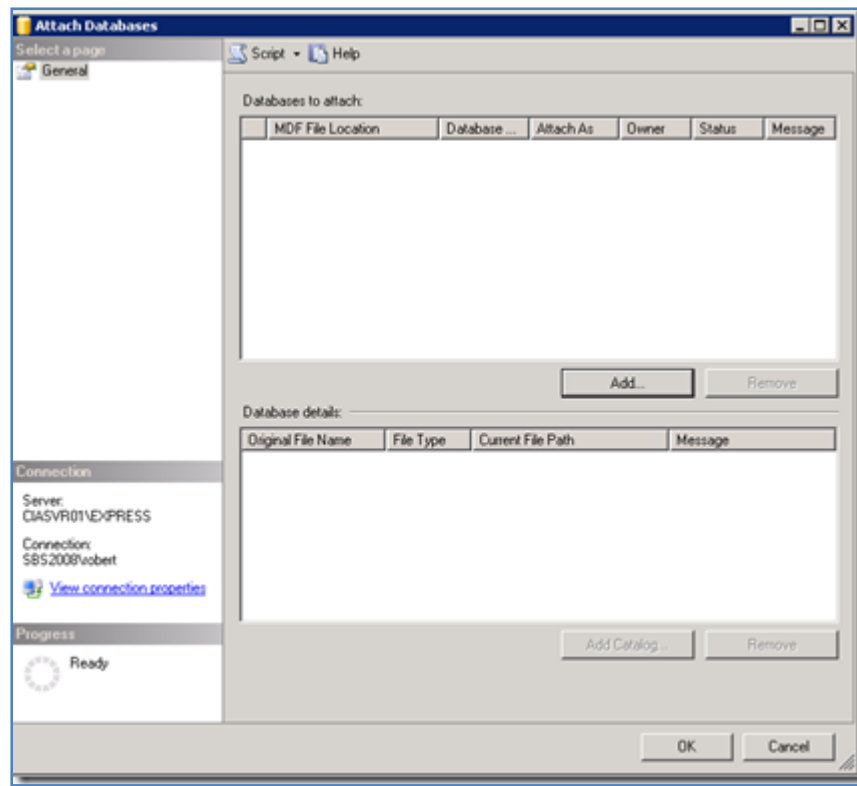
(*Authors note – should actually be Step 6 it seems in the Microsoft documentation).

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



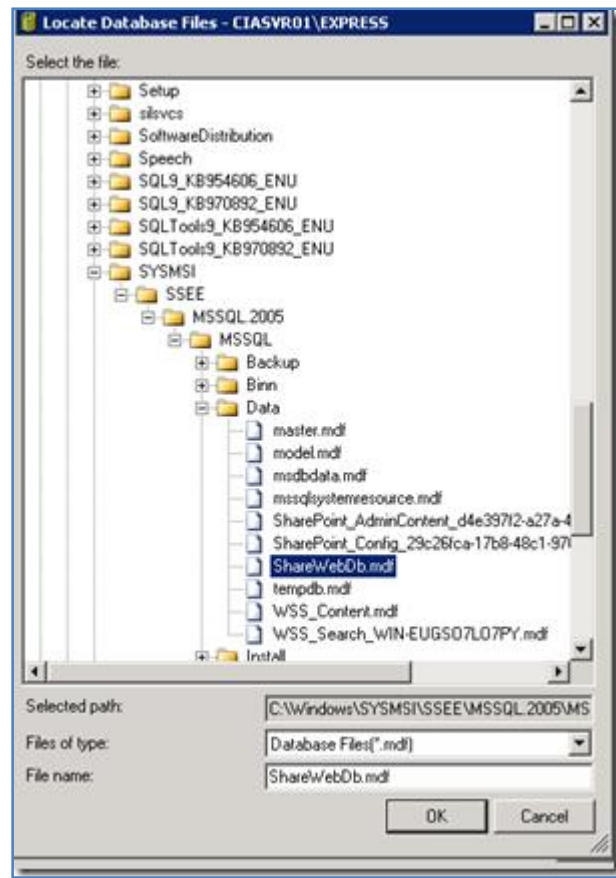
Right mouse click on *Databases* and select **Attach** from the menu that appears.

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



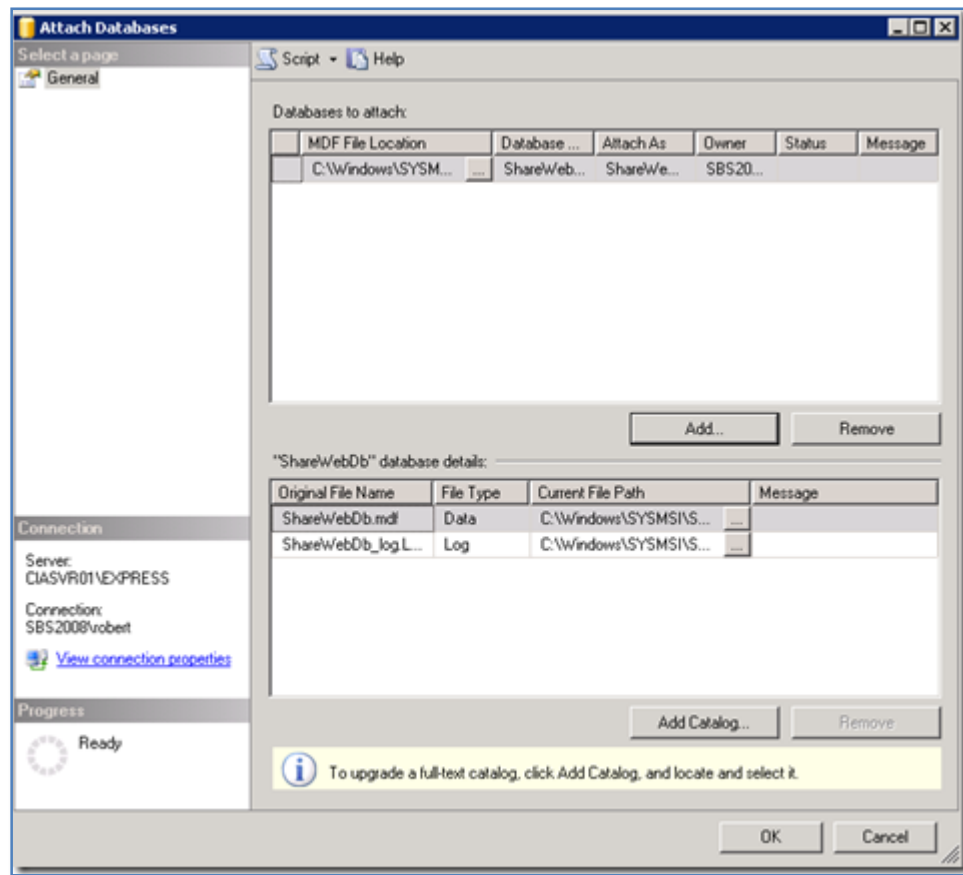
This is what the Microsoft document says:

“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.*

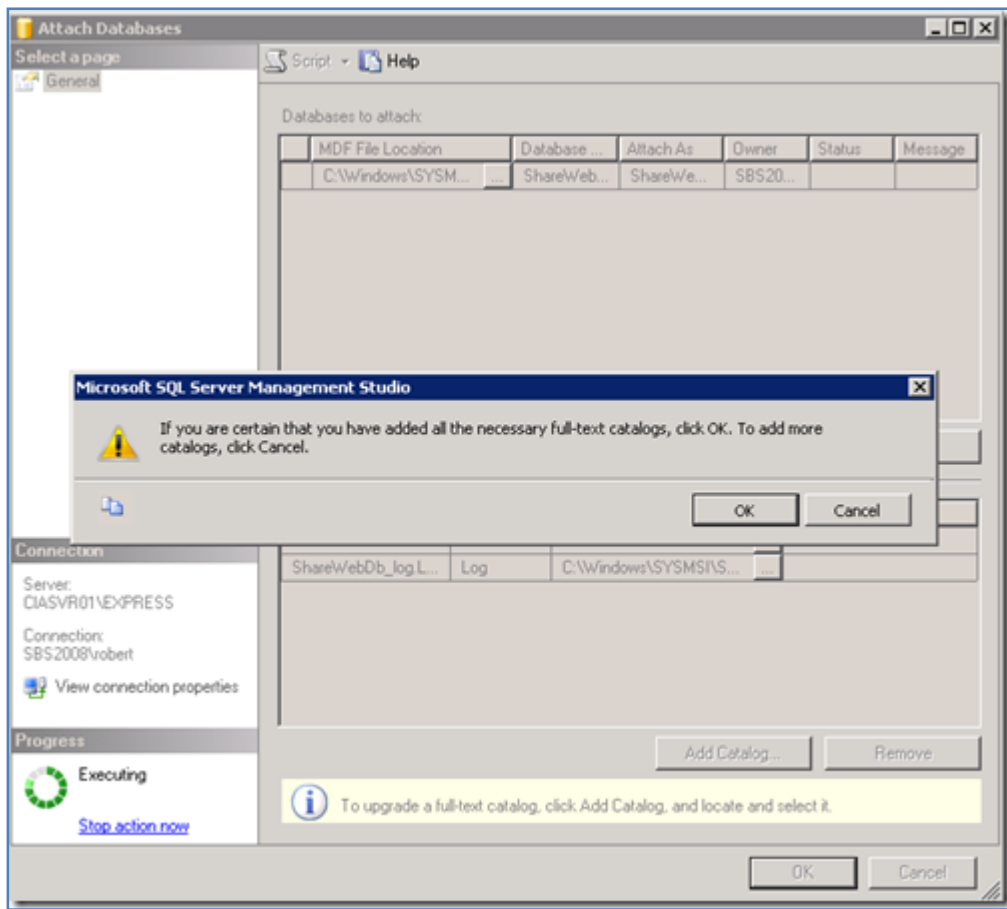
The issue with the Microsoft document is firstly, it should read Step 4 – Back up the Windows Internal Database files, not Step 2. Secondly, you should not be attaching these as they are backups, the original content database which you detached in Step 9 are actually located in c:\windows\sysmsi\ssee\mssql.2005\mssql\data.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

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



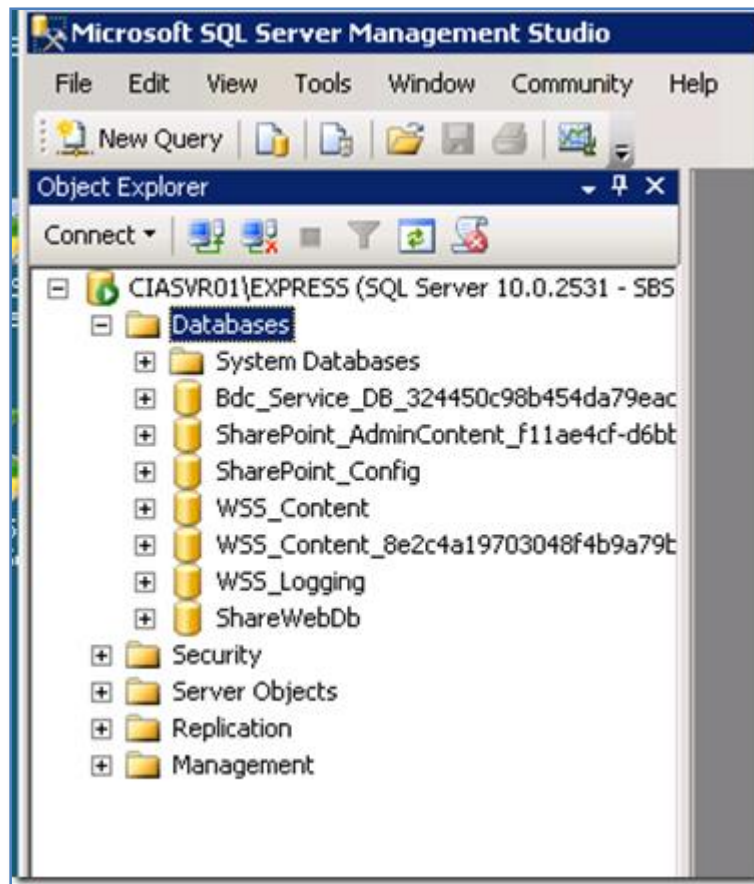
(*Authors note – select **OK**).

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



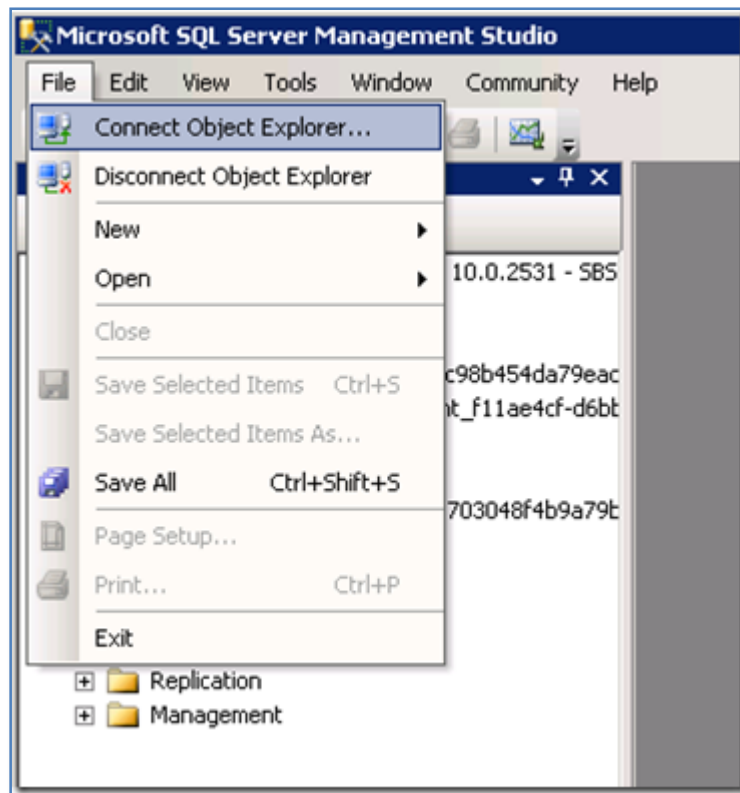
(*Authors note – select **OK**).

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

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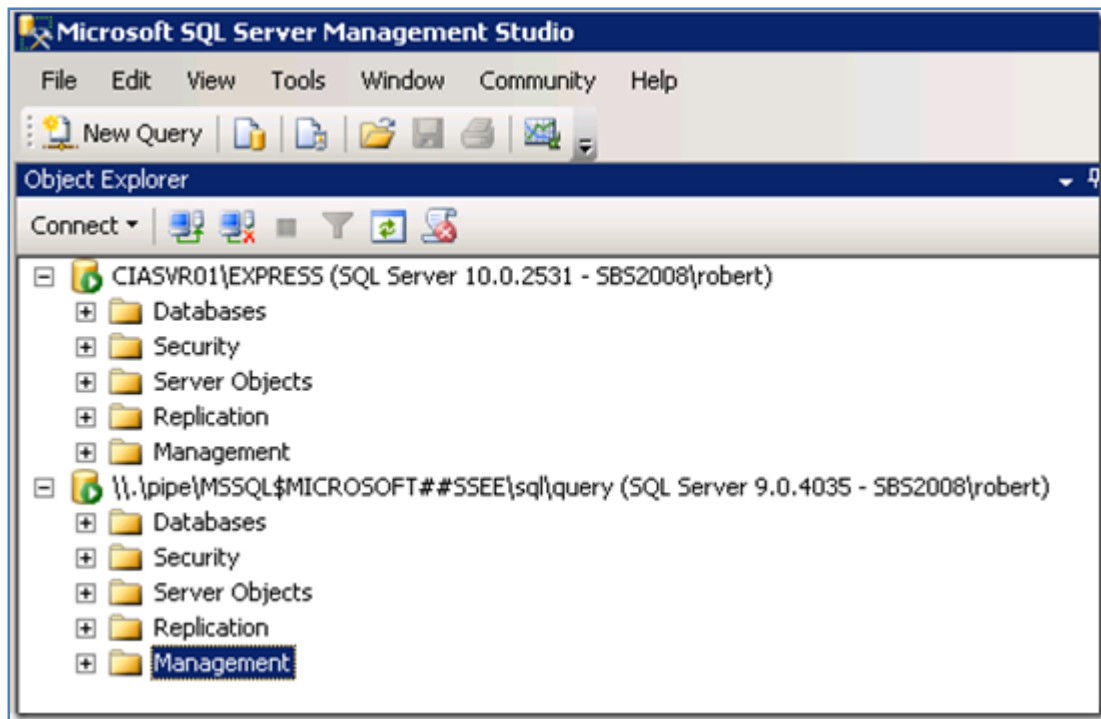


(*Authors note – To manage your SQL 2005 Embedded databases via the SQL Management Studio select **File | Connect Object Explorer**.



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

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

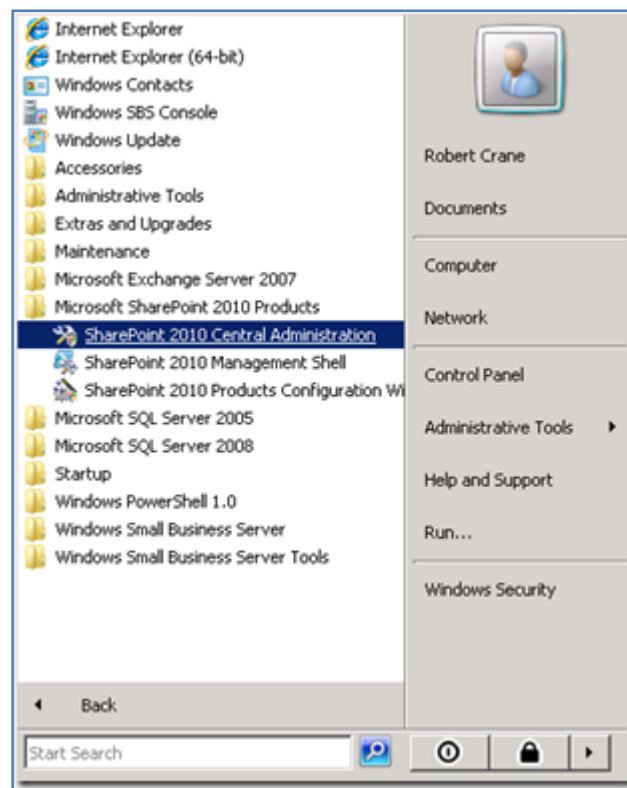


You should now see the two SQL instances – 2008 at the top and 2005 Embedded below as shown above).

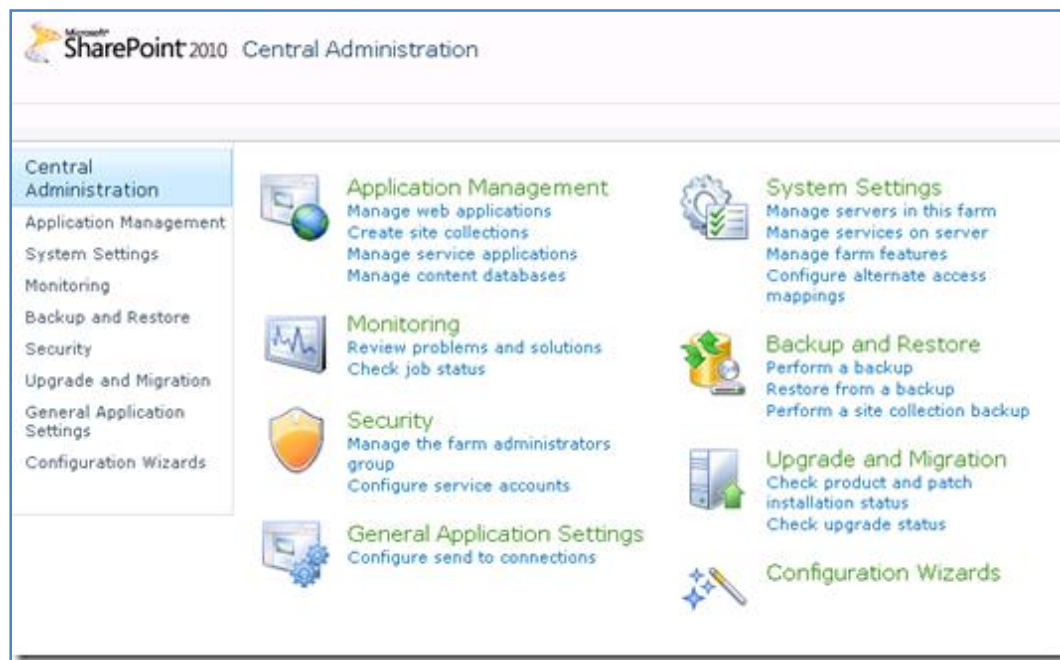
Step 11 - Remove the existing content database

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

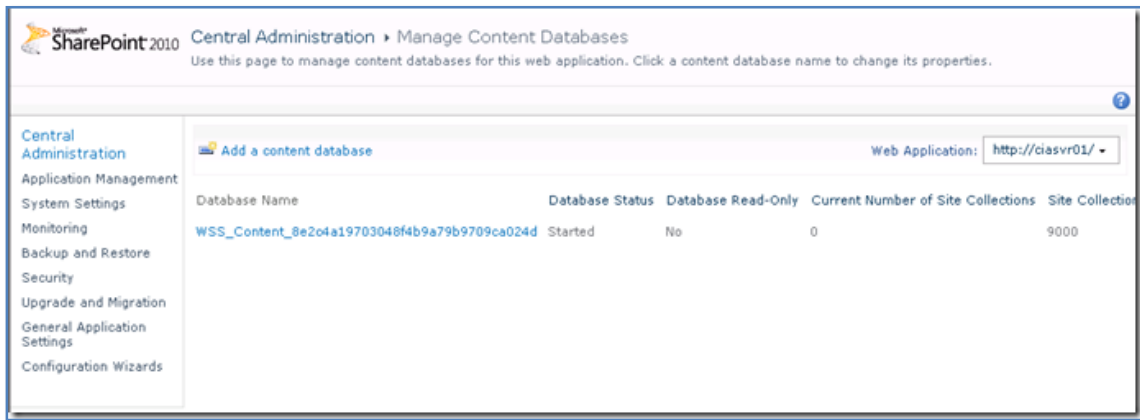


Accept the UAC.



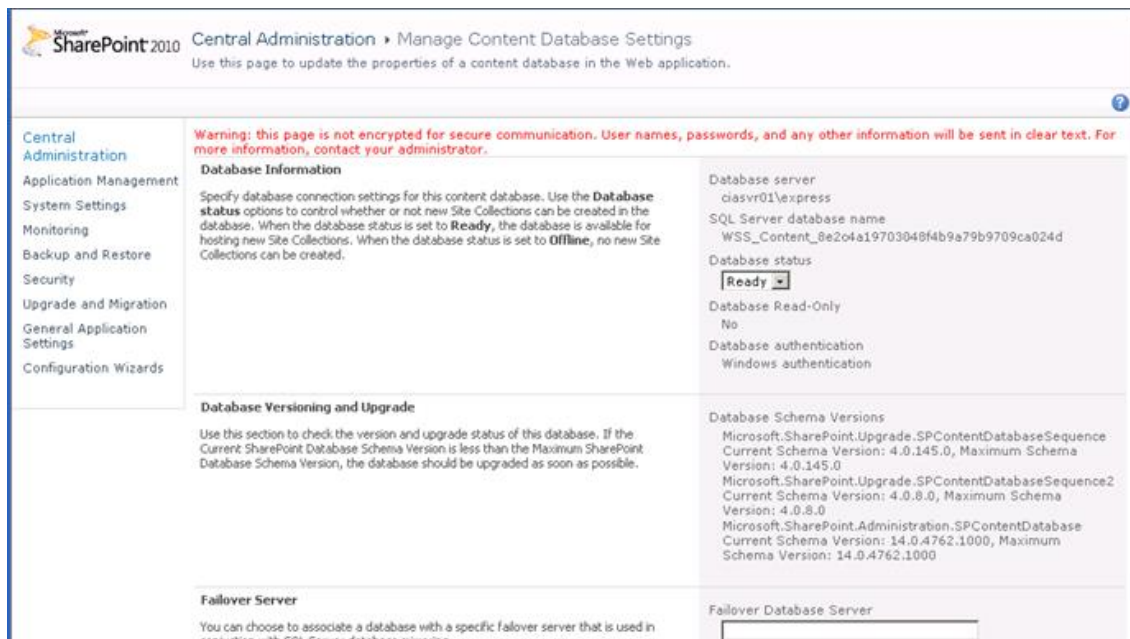
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008

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



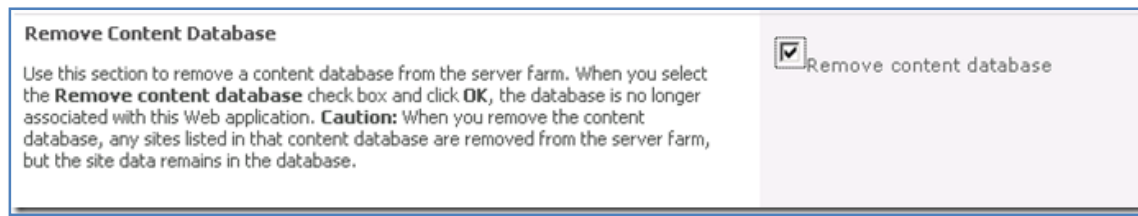
Click on the *Database name* which is a hyperlink.

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



Scroll down the screen.

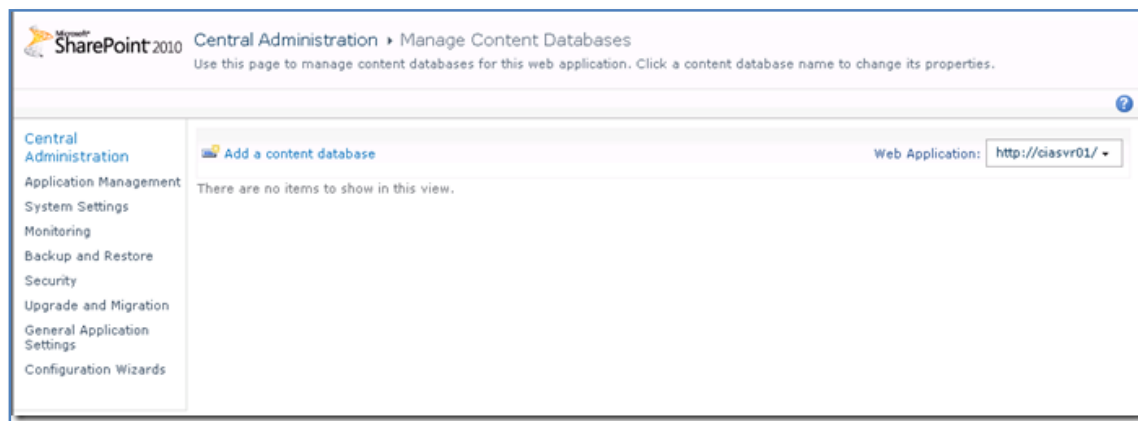
Chapter 4 – Installing SharePoint Foundation 2010 onto Small Business Server 2008



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).*

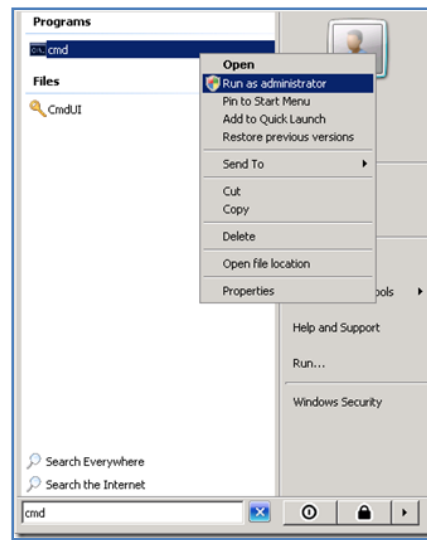


*(*Authors note – you should now see no content databases listed as shown above).*

Step 12 - Connect the ShareWebDb content database

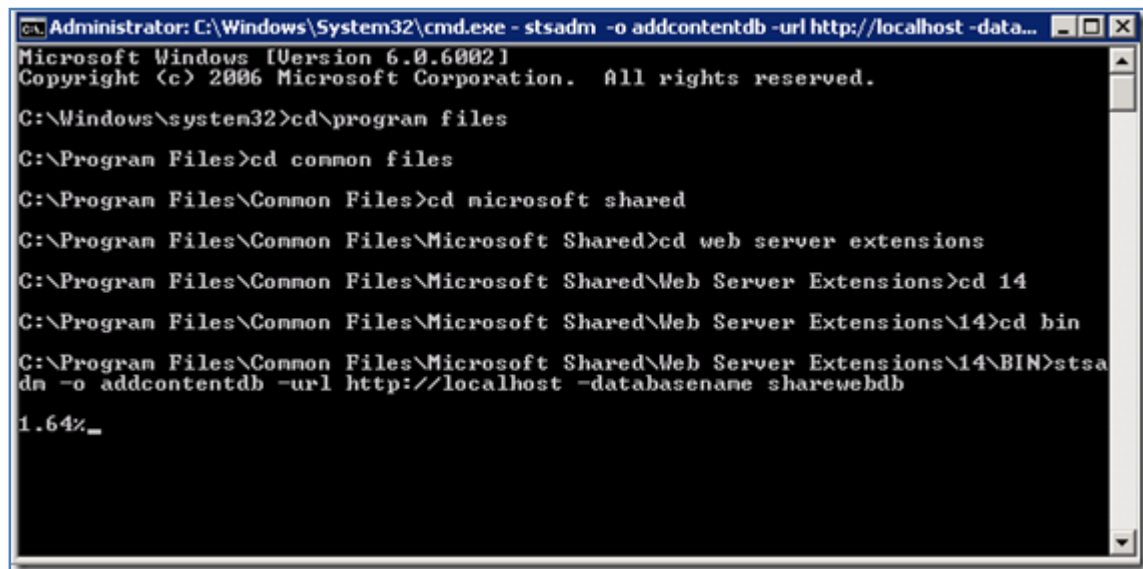
Run an administrator privileged command prompt at the server console.

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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>stsadm -o addcontentdb -url http://localhost -databasename sharewebdb
1.64%_
```

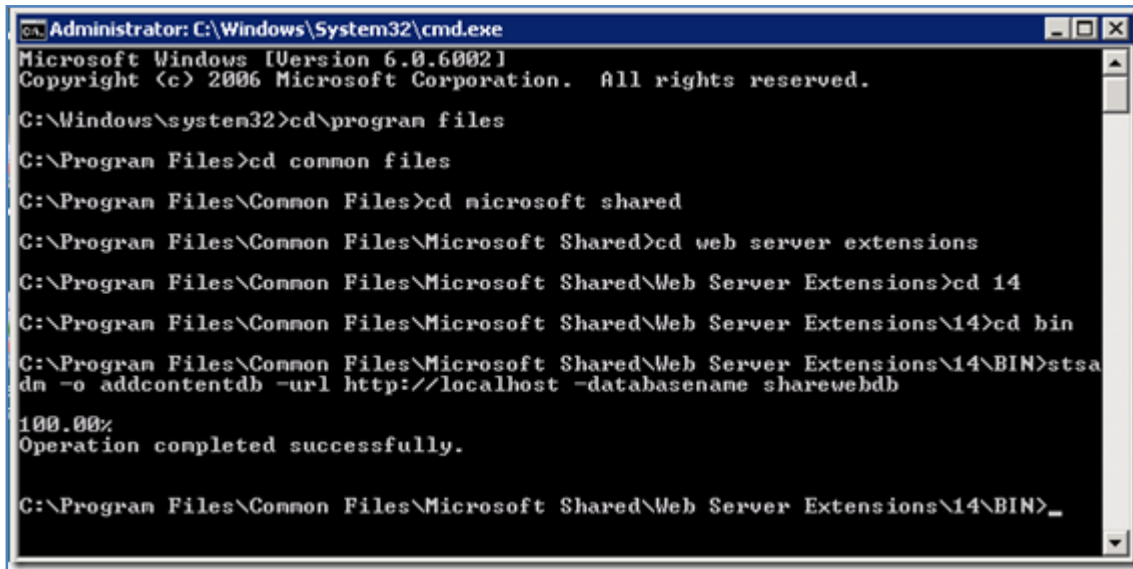
Change directory to *c:\program files\common files\microsoft shared\web server extensions\14\bin*.

Type the following command:

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

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*(*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.

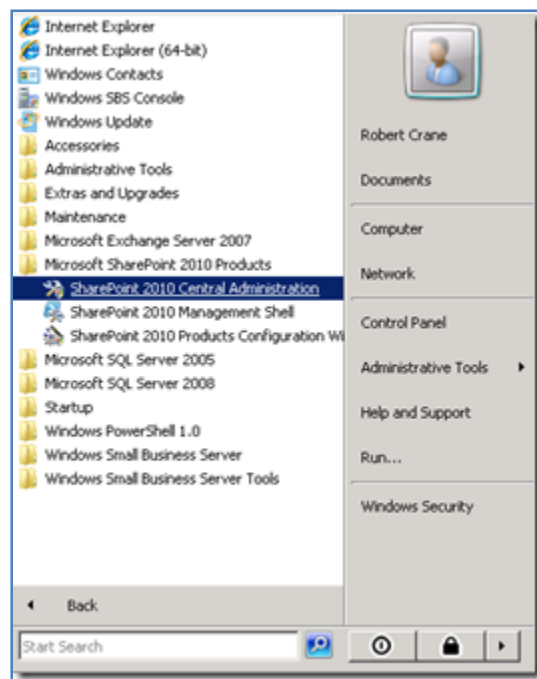
C:\Windows\system32>cd\program files
C:\Program Files>cd common files
C:\Program Files\Common Files>cd microsoft shared
C:\Program Files\Common Files\Microsoft Shared>cd web server extensions
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions>cd 14
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14>cd bin
C:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\BIN>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

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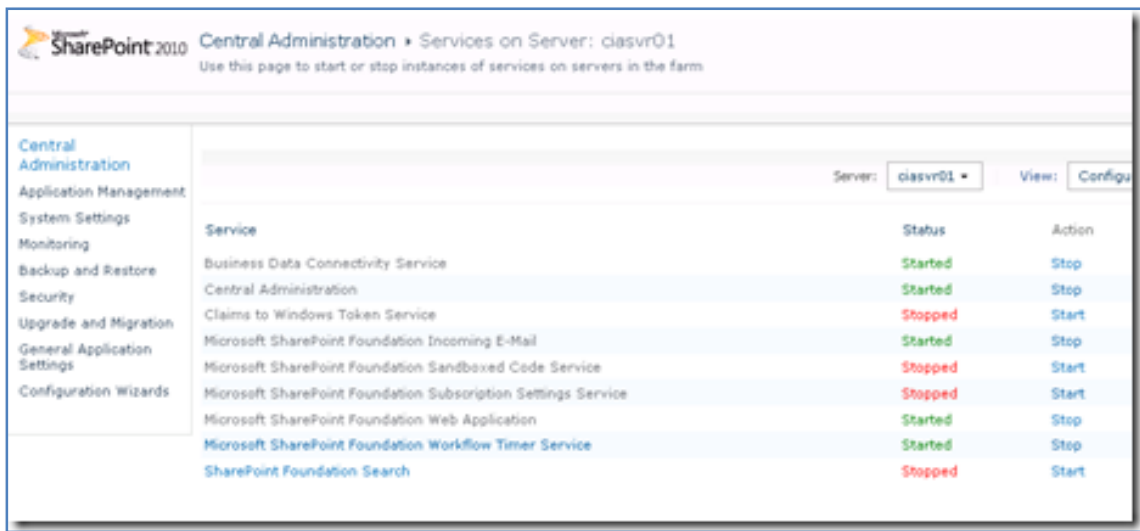
Click **Start | All Programs | Microsoft SharePoint 2010 Products | SharePoint 2010 Central Administration**.

Accept the UAC.



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

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

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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: 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: sbs2008\robert

Password:

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: ciasvr01\express

Database Name: WSS_Search_ciasvr01

Database authentication:

☒ Windows authentication (recommended)

☐ SQL authentication

Account:

Password:

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

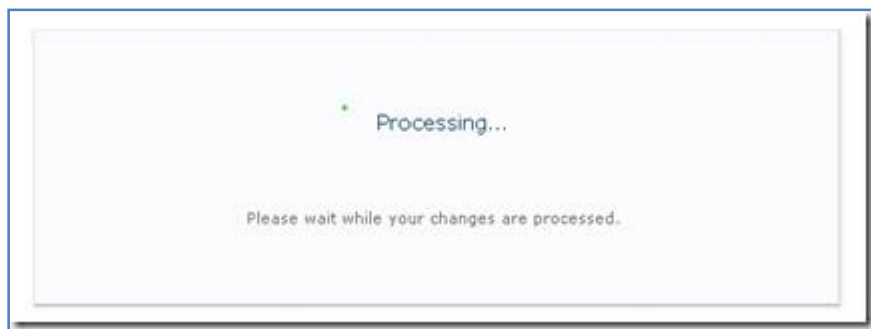
*(*Authors note – this doesn't have to be a domain administrator account. The account you choose will be given full read only rights to the site. It is recommended that you utilize a dedicated account with appropriate security).*

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

<p>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>
<p>Failover Server</p> <p>You can choose to associate a database with a specific failover server that is used in conjunction with SQL Server database mirroring.</p>	<p>Failover Database Server <input type="text"/></p>
<p>Indexing Schedule</p> <p>Configure the indexing Schedule.</p>	<p>Indexing schedule:</p> <p><input type="radio"/> Minutes Starting every hour between</p> <p><input checked="" type="radio"/> Hourly <input type="text" value="6"/> minutes past the hour</p> <p><input type="radio"/> Daily and no later than</p> <p> <input type="text" value="6"/> minutes past the hour</p>

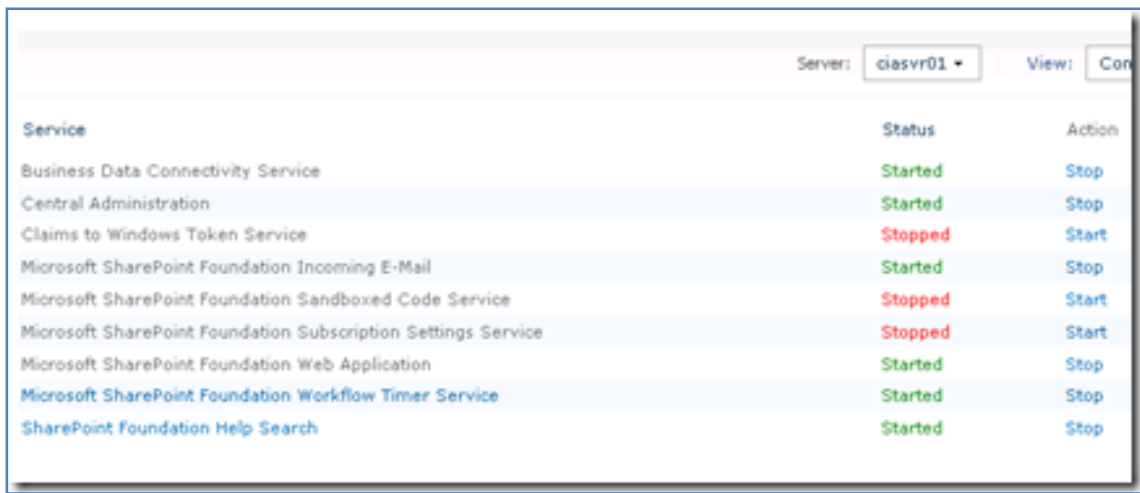
Scroll down the screen and press the **OK** button.

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



You should your configuration being saved.

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The screenshot shows the 'Services' console in the SharePoint Foundation 2010 Central Administration. The 'Server' dropdown is set to 'ciasvr01'. The table lists various services with their current status and available actions.

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.

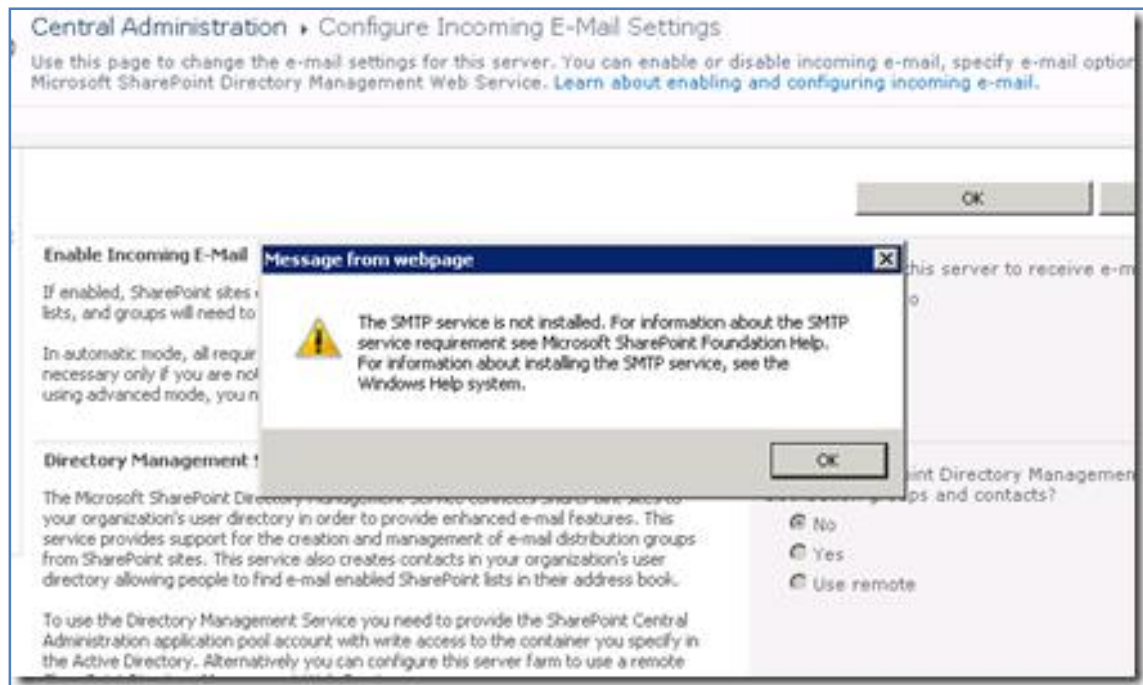
(*Authors note – You see a service of a different name listed. As long as it says *Started* your search is enabled).



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.

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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.	Enable sites on this server to receive e-mail? <input checked="" type="radio"/> Yes <input type="radio"/> No Settings mode: <input type="radio"/> Automatic <input checked="" type="radio"/> Advanced
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.	Use the SharePoint Directory Management Service to create distribution groups and contacts? <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Use remote
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 server display address: <input type="text" value="mylist@companyweb"/> For example, mylist@example.com
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_JCNS_NAME Timer' has modify	E-mail drop folder: <input type="text" value="c:\inetpub\mailroot\drop"/> For example, c:\inetpub\mailroot\drop

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

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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 **companywebadmin@domain-name** (where domain-name is the name of your organizations Internet domain name).

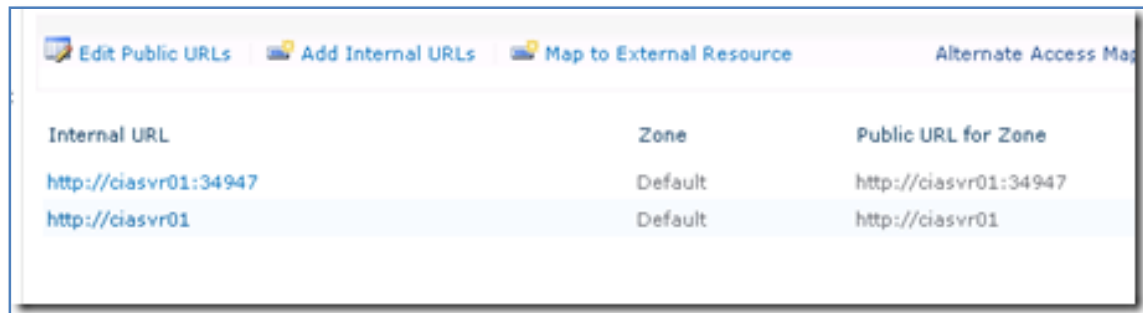
Ensure that *Character set* is **65001 (unicode UTF-8)**.

Select **OK** to save the changes.

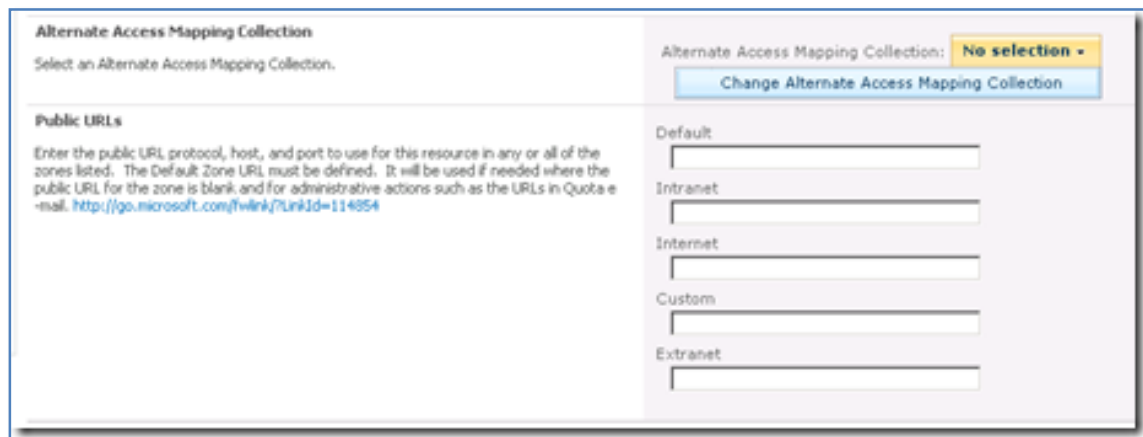
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Select **System Settings** and under *Farm Management* select **Configure alternate access mappings**.

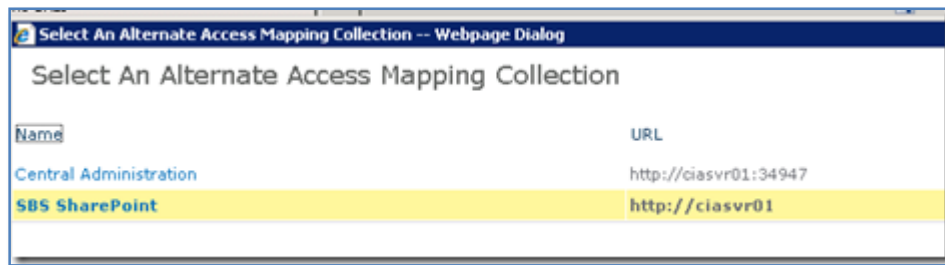


Now select **Edit Public URLs** from the menu.

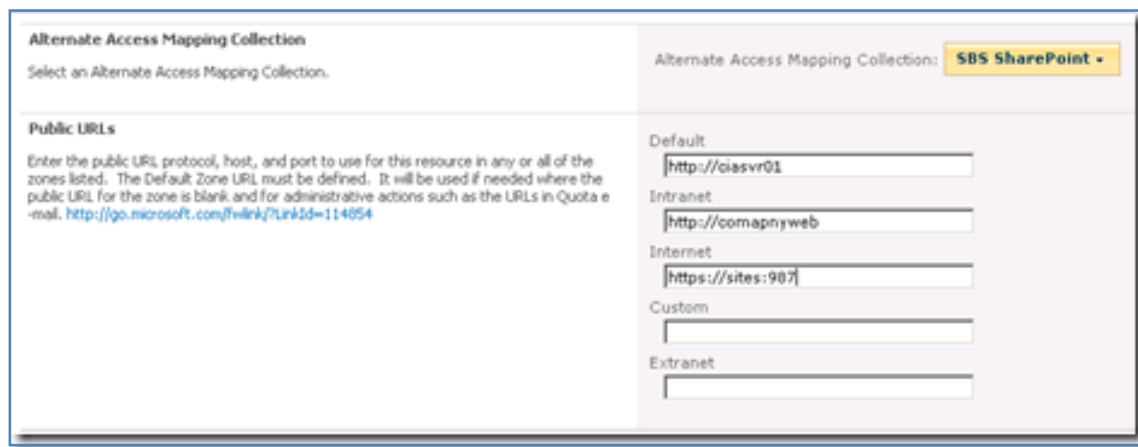


Click on the box **No Selection** in the top right of the screen. From the menu that appears select **Change Alternate Access Mapping Collection**.

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Click on **SBS SharePoint**.



The box should now read *SBS SharePoint*.

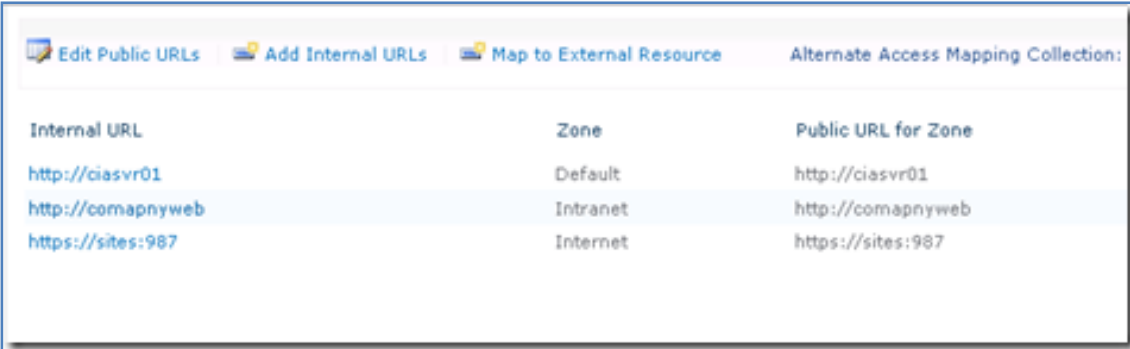
Set the *Intranet* box to **http://companyweb**.

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.

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

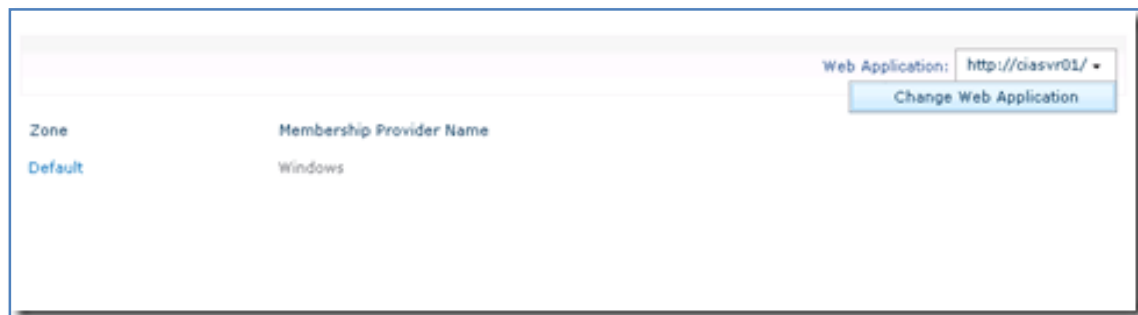
You should now see the additional URLs you just configured displayed.

Return to the main *Central Administration* screen.



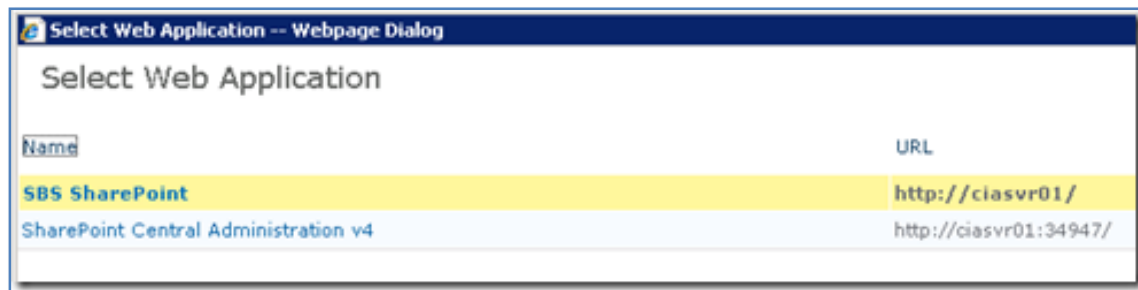
Select **Security** from the menu on the left.

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

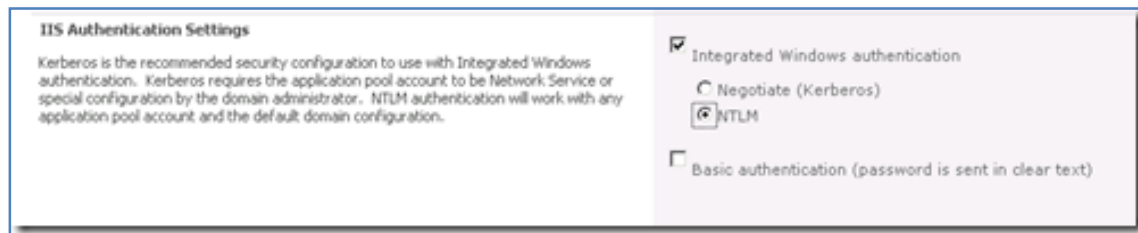


Click in the *Web Application* box in the top right of the screen and select **Change Web Application** from the menu that appears.

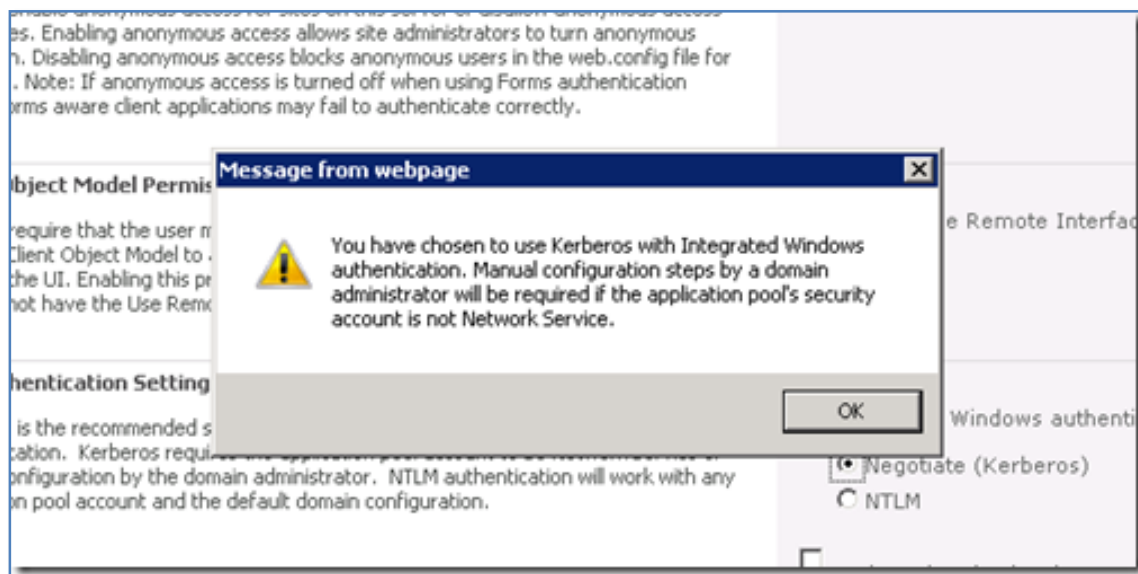
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Select **SBS SharePoint** from the window that appears.



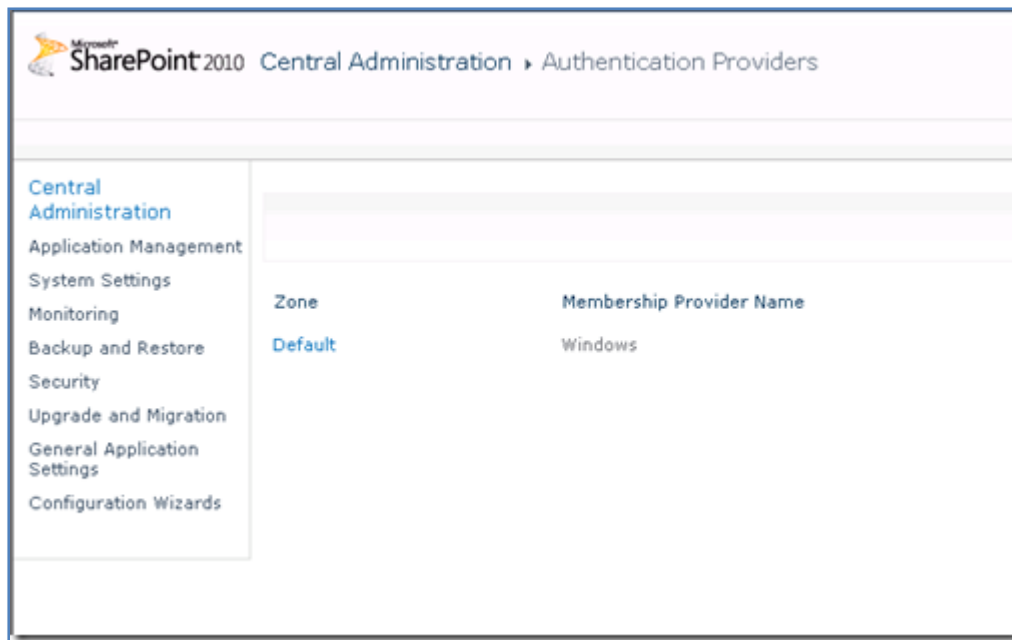
Locate the *IIS Authentication Settings* section which is current set to *NTLM*. Select **Negotiate (Kerberos)**.



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

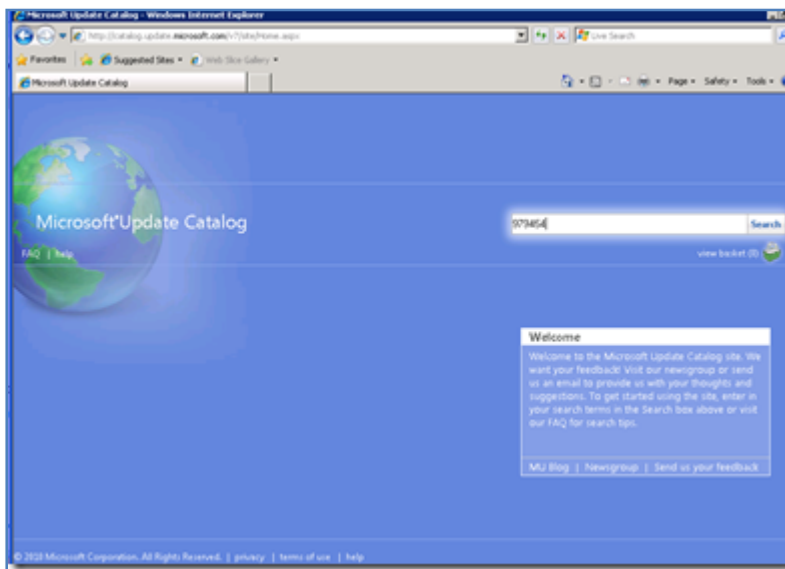
Scroll down the page and save the changes.

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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>

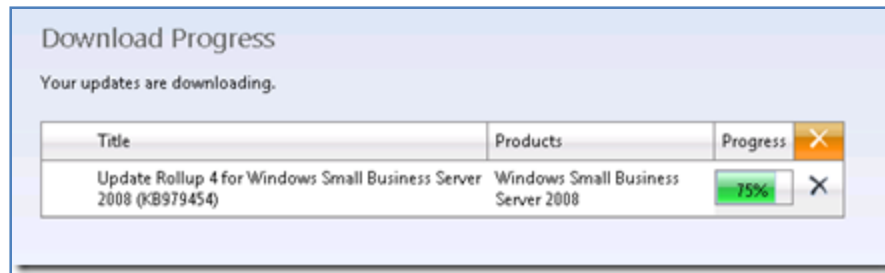
In the search box enter **979454** and press **Search**.

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

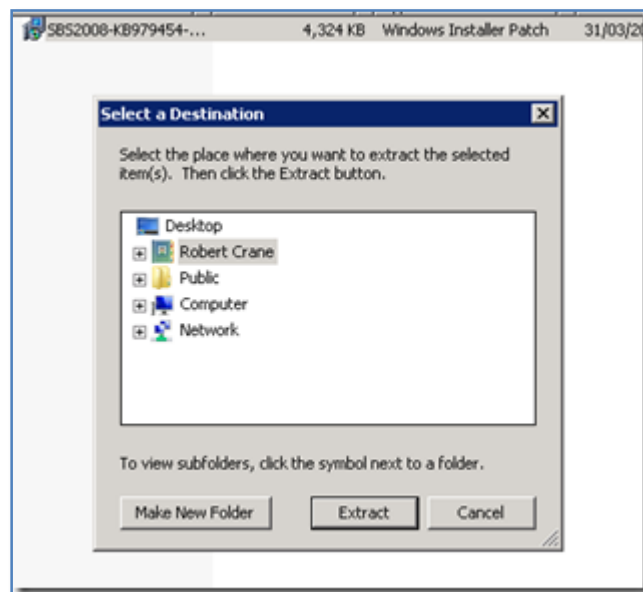
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Click **View basket**.

Click **Download**.



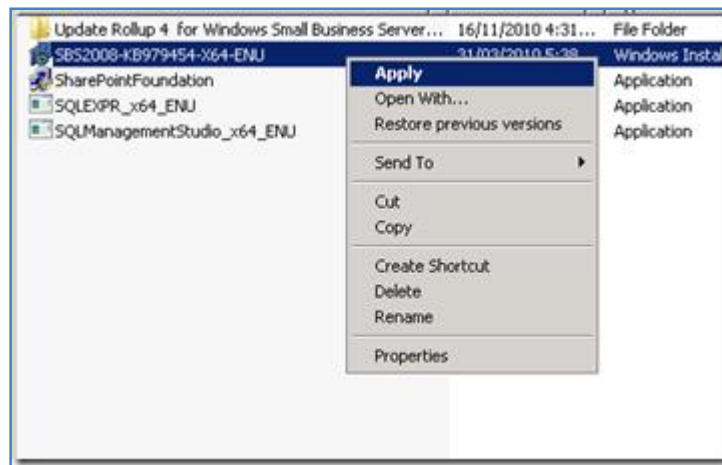
Browse to a folder where you want to save the file and click **Continue**.



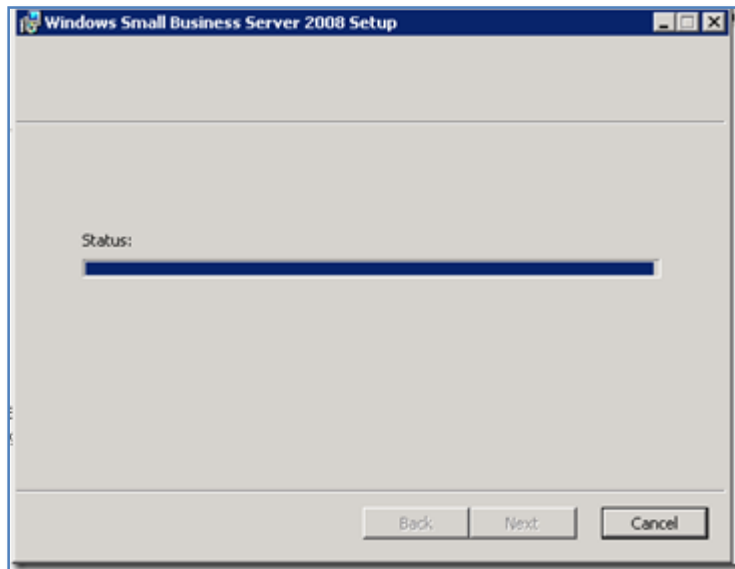
Open the location where you saved the download and open the folder called **Update Rollup 4 for Windows Small Business Server 2008 (KB979454)**.

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.

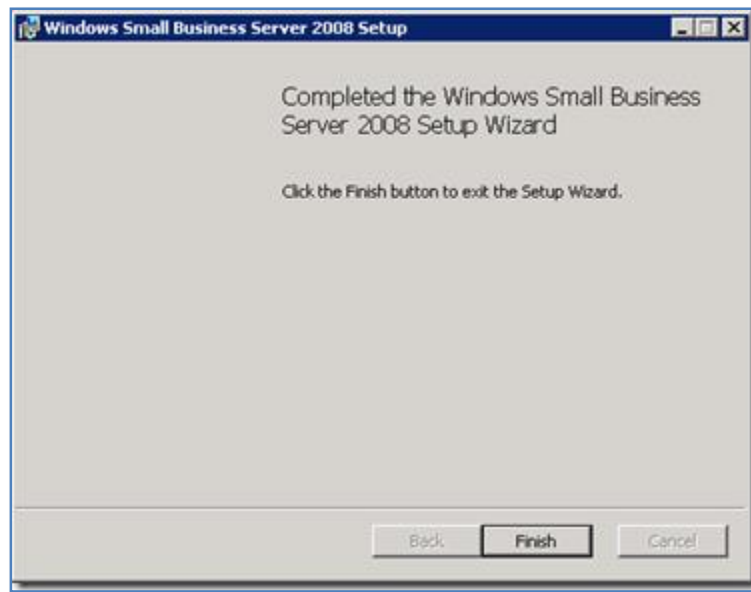
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Right mouse click on this extracted file and select **Apply** from the menu that appears.

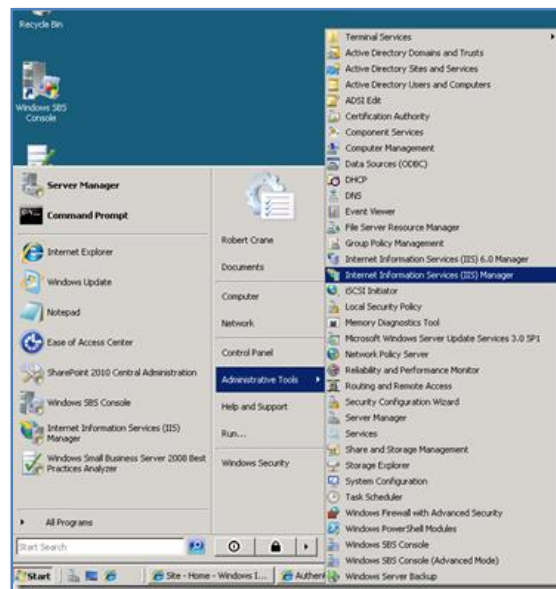


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Note that after the process is complete you may need to complete a manual crawl of your data to update the search indexes.

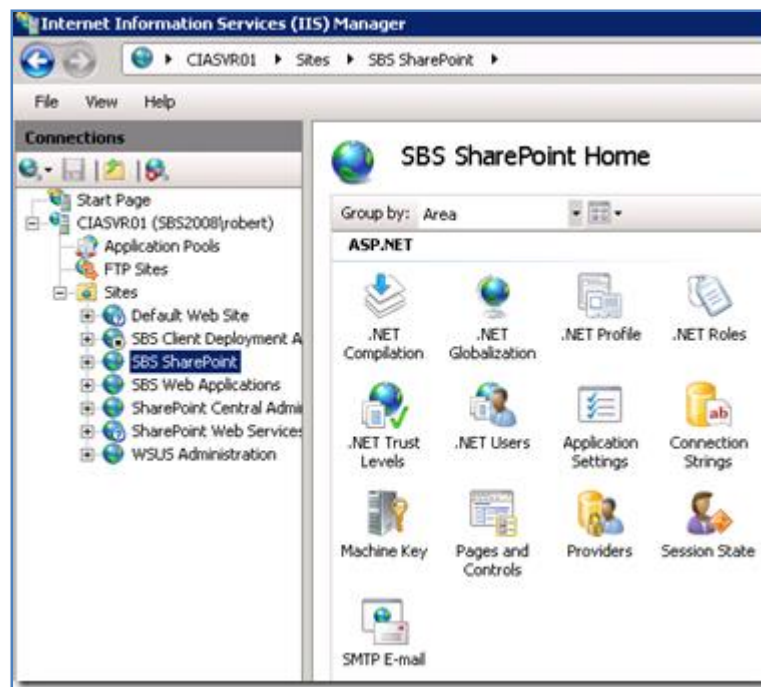
Step 15 - Edit the site bindings for the companyweb site



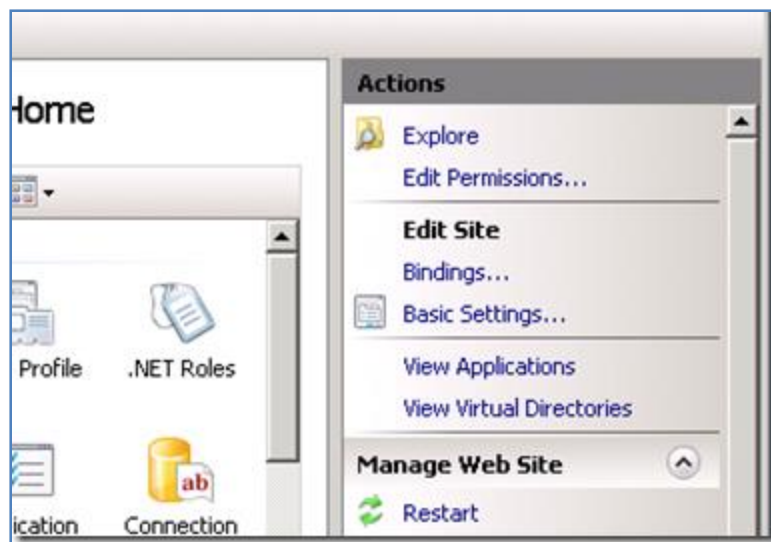
Click **Start | Administrative Tools | Internet Information Services (IIS) Manager**.

Accept the UAC that appears.

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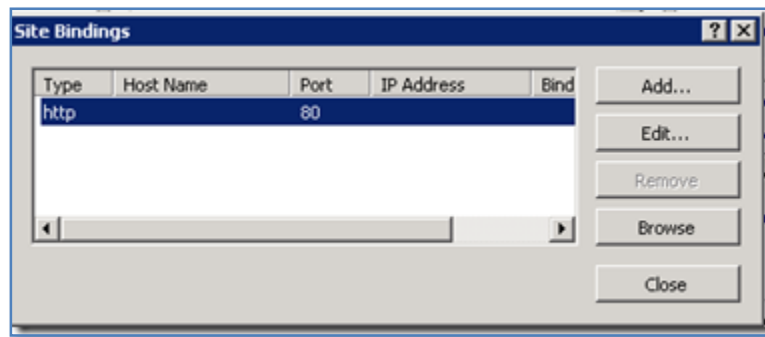


Expand the tree under the *Connections* section on the left of the *IIS Manager* until you see *SBS SharePoint* under *Sites* and **click on it**.



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

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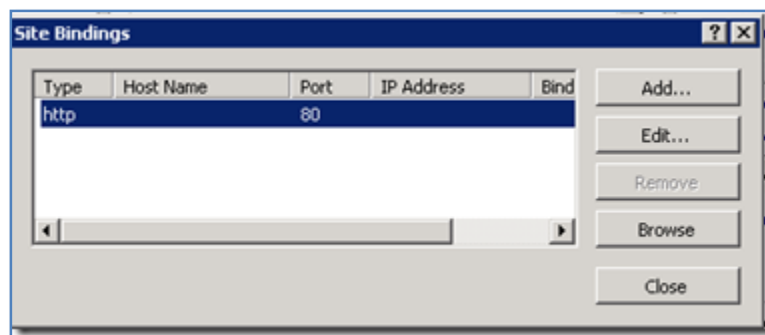


Select the existing **http** item and then press **Edit**.



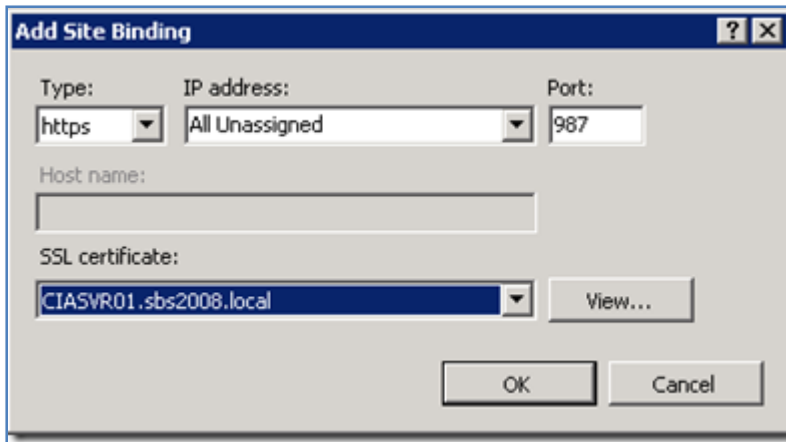
In the *hostname* field enter **companyweb**.

Press the **OK** button.



Click the **Add** button.

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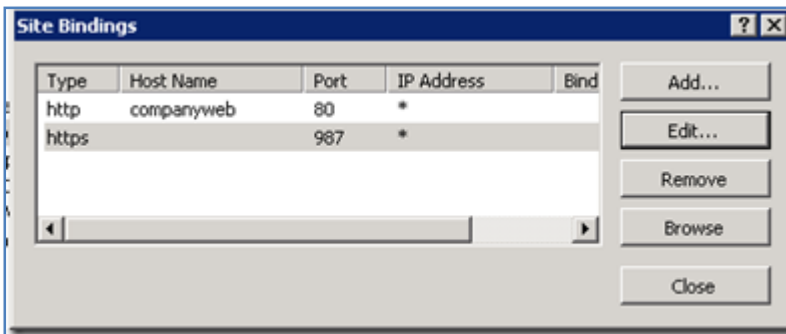


Change the type to **https**.

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.