Terms

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4.1   Scope

This chapter will examine the process of installing Windows SharePoint Services v3 onto Windows Small Business Server 2003 (SBS). For information about installing WSS v3 onto a standalone Windows server see **Chapter 3 – Installing Windows SharePoint Services 3.0 onto Windows Server 2003**.

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

4.2   Prerequisites

There are a number of requirements of any Small Business Server 2003 (SBS) onto which you plan to install WSS v3. These minimum requirements are:

- Windows Server 2003 Service Pack 1
- Dot Net Framework Version 3.0
- Internet Information Services (IIS) configured with ASP .NET
- SharePoint Services v2 Service Pack 2

WSS v3 cannot take advantage of all the email options available when installed on Small Business Server 2003 (due to the presence of Exchange Server 2003). If this functionality is desired then it is recommended that WSS v3 be installed onto a Windows 2003 member server.

Data storage location

WSS v3 has the ability to store data in a number of locations, including Microsoft SQL Server 2005 Express Embedded Edition (SSEE) that comes with WSS v3. The planned location of your WSS v3 data will have an impact on the method by which you complete the installation process. For further information about these options and impact please see the **Chapter 8 - Database Operations**.

Once these requirements have been it met it is also advisable to ensure that the machine on which you wish to install WSS v3 is updated with all the latest patches and service packs. It is also advisable to do a reboot of the system prior to WSS v3 installation to ensure a clean installation environment.

For further information about prerequisites please see **Chapter 14 – Prerequisites**.

4.3   Installation

In this section we'll cover the following installations:
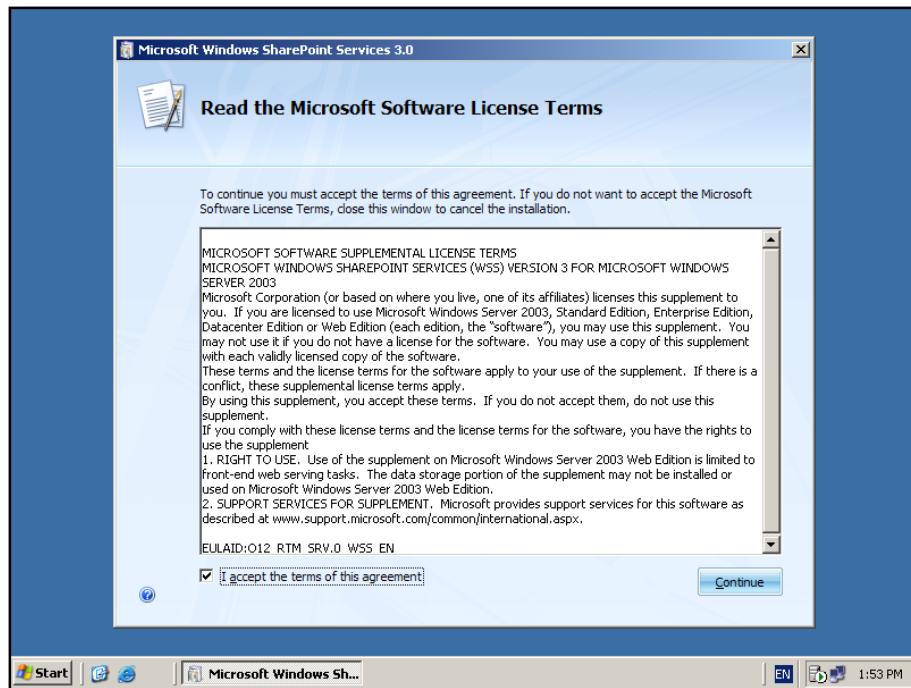
- Advanced installation
- Default installation

Advanced installation
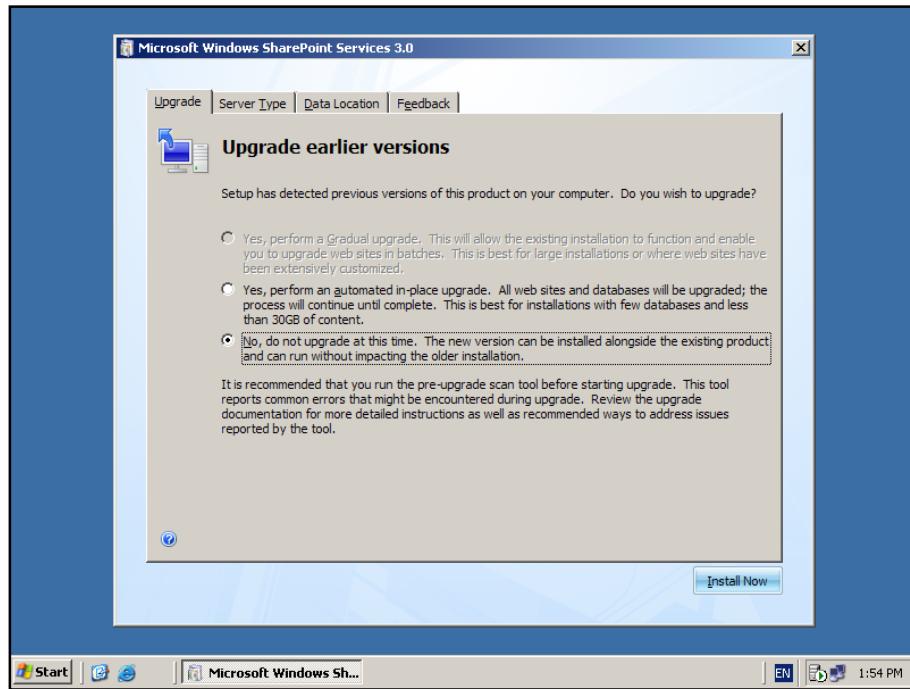
After meeting all the server prerequisites and downloading the WSS v3 software from the Microsoft web site (or from the subscriber DVD), log on to the server as an administrator and commence the installation by **double clicking** on the sharepoint.exe file.

The installation file will be checked and extracted to your machine and then the setup process will start.

The first window to be displayed will be the *Microsoft Software License Terms*. After reviewing this, check the - **I accept the terms of this agreement** in the lower left of the window and press the **Continue** button.
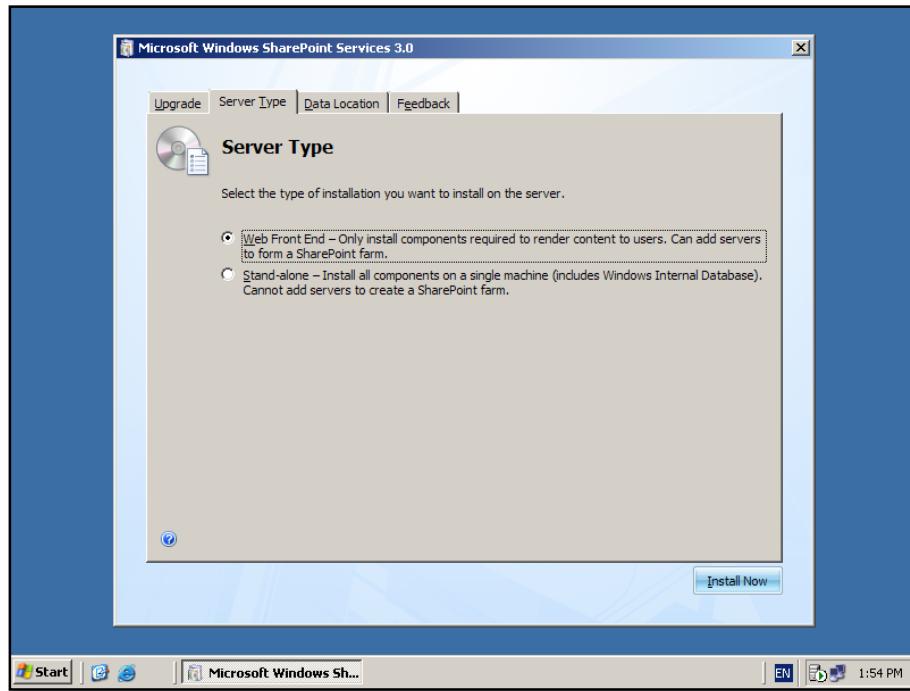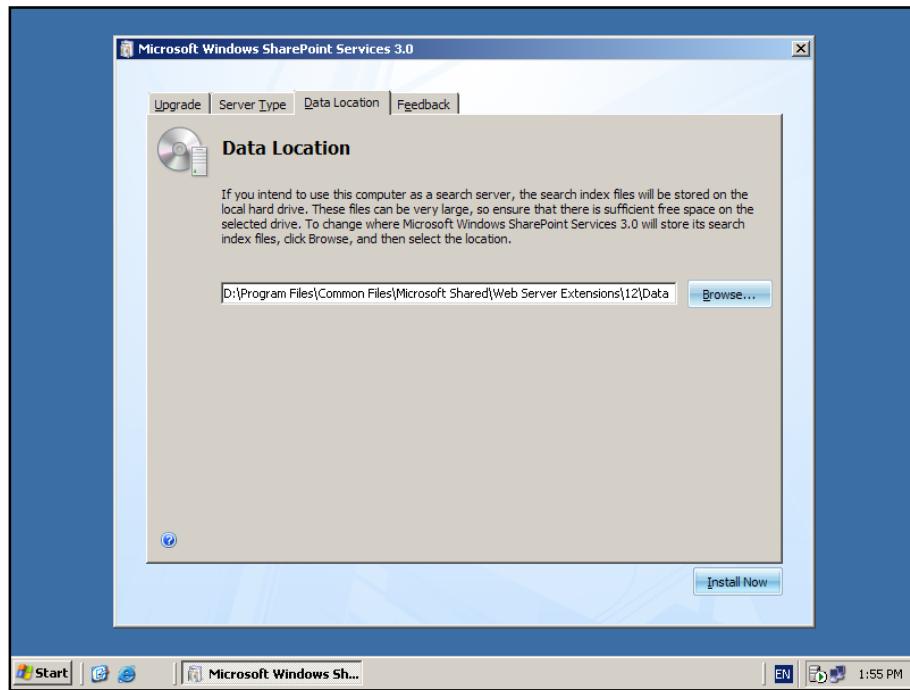
Since Small Business Server 2003 normally already has a previous version of SharePoint installed (v2) the above window is displayed asking whether you wish to upgrade this existing version.

It is critical that you DO NOT choose to upgrade the existing SharePoint v2 installation. Doing this will cause a number of Small Business Server 2003 settings to stop working. It is therefore recommended that you do a side by side installation. This will allow both SharePoint v2 and WSS v3 to run on the Small Business Server 2003. To facilitate this select the option – **No, do not upgrade at this time** from the *Upgrade* tab.
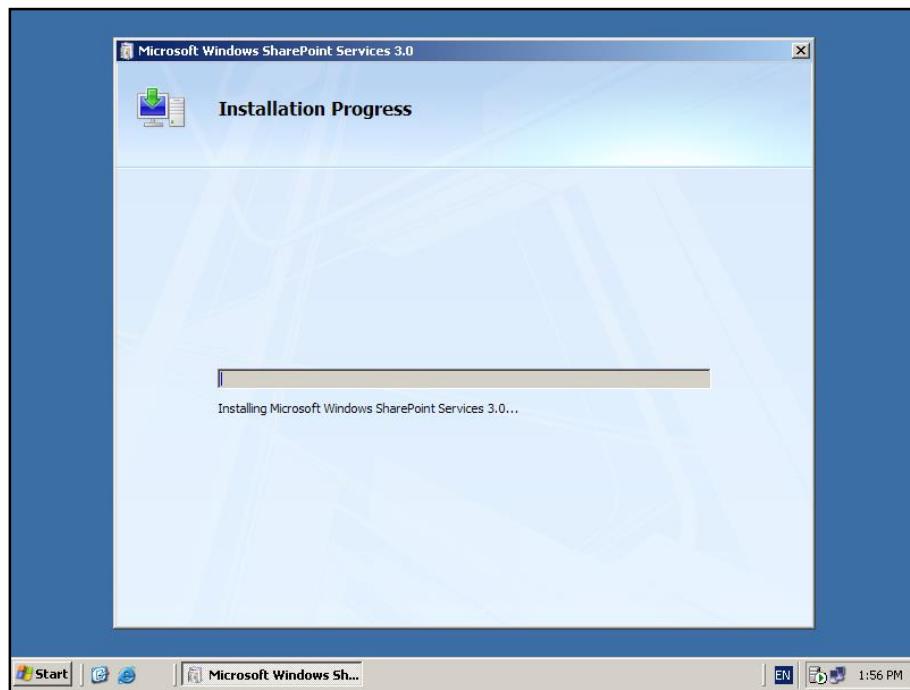
Moving to the *Server Type* tab allows you to select the type of installation you wish to complete. In this case because we wish to do an *Advanced Installation* and specify the location of our databases select the option – **Web Front End**.

The *Data Location* tab allows you to specify where the WSS v3 program files will be stored. By default these will be installed in *c:\program files\common files\Microsoft shared\web server extensions\12\data*. You can specify any location by changing the entry displayed. It is recommended that you only change the drive letter if necessary to ensure compatibility and ease of future support.

Once you have made your selections click the **Install Now** button in the lower right of the window to continue.

WSS v3 will now be installed onto your system with the options you have previously selected.

When the installation is successfully completed you will see the above window. By default, the *Run the SharePoint Products and Technologies Configuration Wizard now* option is selected. If you wish to configure WSS v3 at a later stage simply uncheck this option. Press the **Close** button to continue.

If you selected to run the configuration wizard then the following window will appear. The window warns you that to complete the wizard you require:

- Name of database server and database where server farm configuration will be stored.
- Username and password for the database access account that will administer the server farm.

Press the **Next** button to continue.
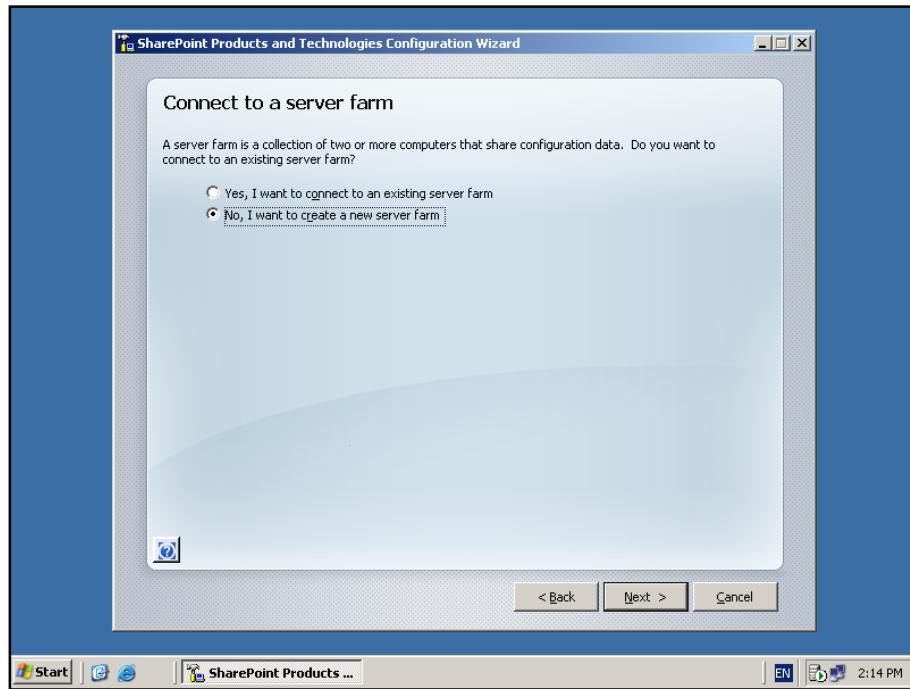
You will now receive a warning that the wizard will start or restart the following services:

- Internet Information Service (IIS)
- SharePoint Administration Service
- SharePoint Timer Service
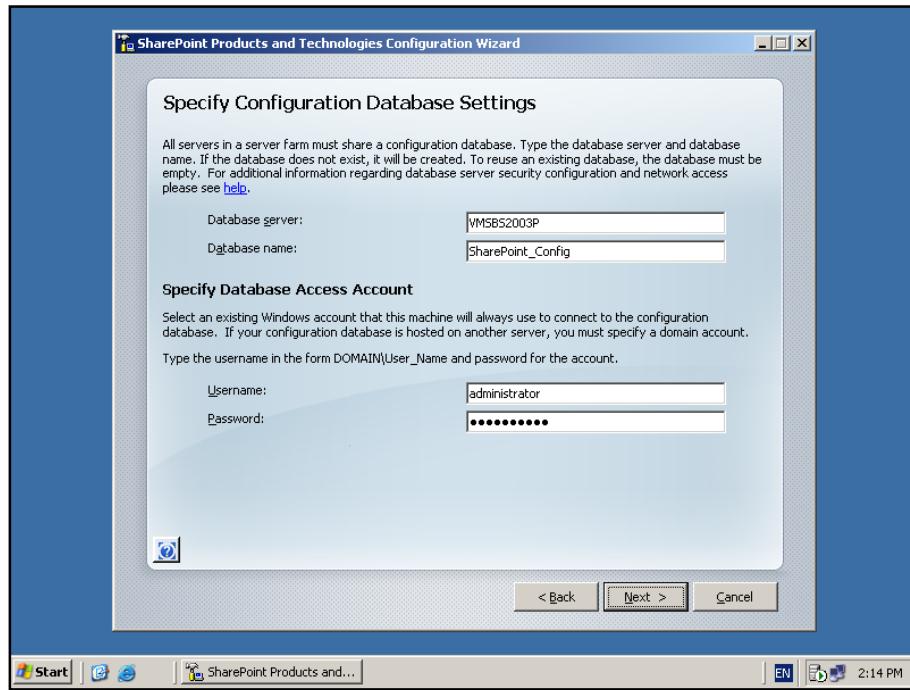
You need to be aware that this operation may have an impact on other applications that use these services which could impact network users interacting with these.

If you wish to proceed with the installation press the **Yes** button.

You are now presented with an option to either connect to an existing WSS v3 'SharePoint farm' or create a new server farm. In this case, because it is a new installation select – **No, I want to create a new server farm** and press the **Next** button to continue.
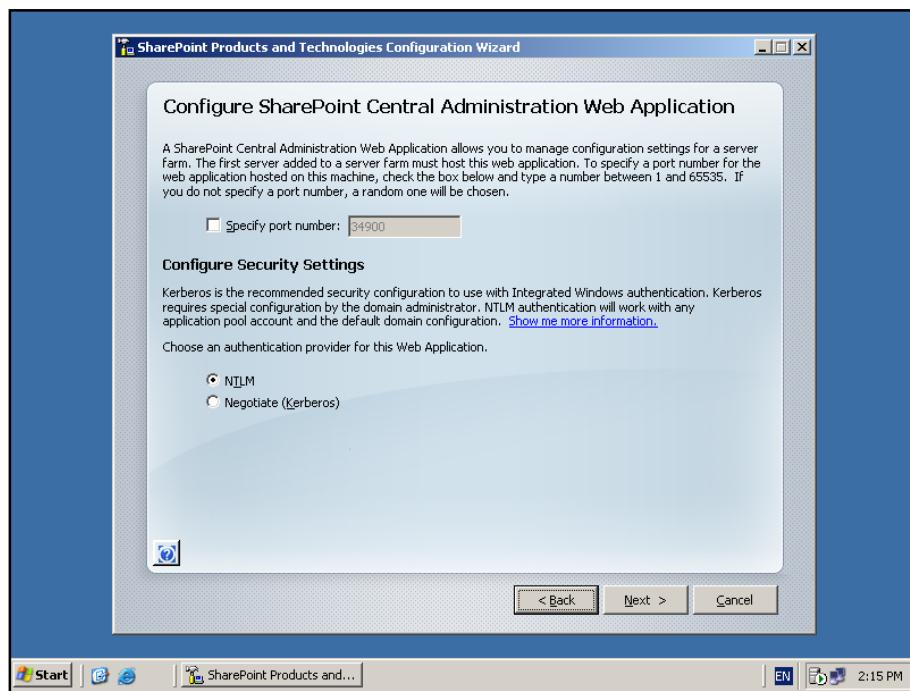
Because you selected the option to create a new farm you will now be prompted for the location of your database server. The A*dvanced Installation* option selected previously does not automatically install Microsoft SQL Server 2005 Express Embedded Edition (SSEE) and thus you will need to already have a compatible database server available on your network. Typically, this database server will be Microsoft SQL (2000, 2005 Express, 2005 Workgroup, 2005 Standard etc). For more information about the WSS v3 database options see **Chapter 8 – Database Operations**.

Typically, with Small Business Server 2003, SQL will be installed on the same machine. You therefore enter the database server name as *<SBS_SERVER_name>* and the database access account as *<username>* (you may need to use *domain\<user_name>* depending on the way SQL Server was installed). By default, the WSS v3 configuration database will be called *SharePoint_config*, which you are able to change if you desire.

When these options are complete, press the **Next** button to continue.
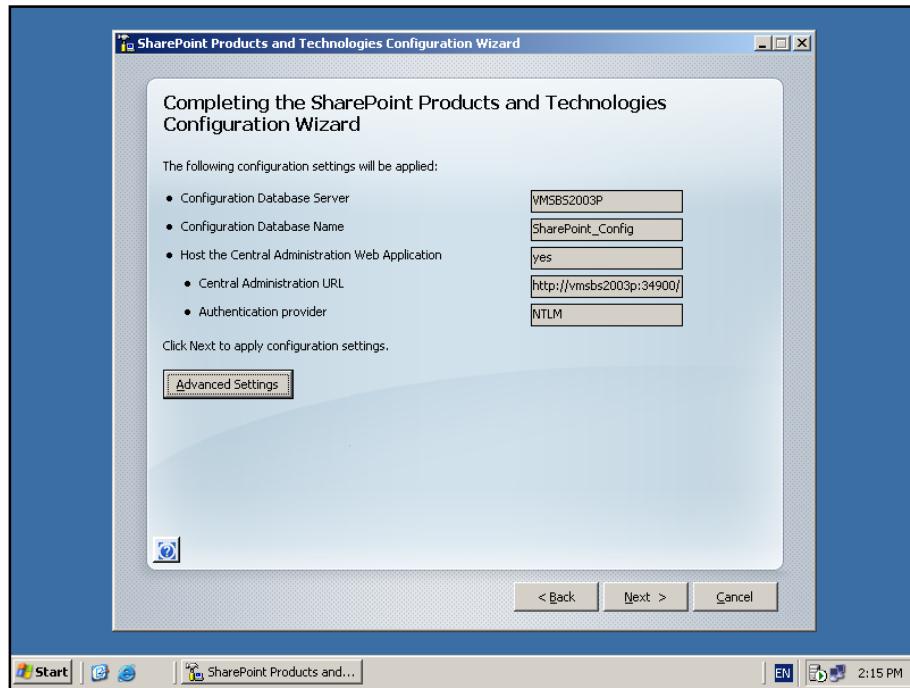
Now you will be prompted the set the SharePoint Central Administration Web Site port number if you want. By default, the installation will choose a random port. This configuration will ensure that the Administration site doesn't conflict with an existing webs site (especially the default web site on port 80). It is recommended that you leave this option unchecked so the installation can choose a free random port.

You are also prompted for the authentication provider required for WSS v3 security. This provider is referenced by WSS v3 to determine who has access to the information
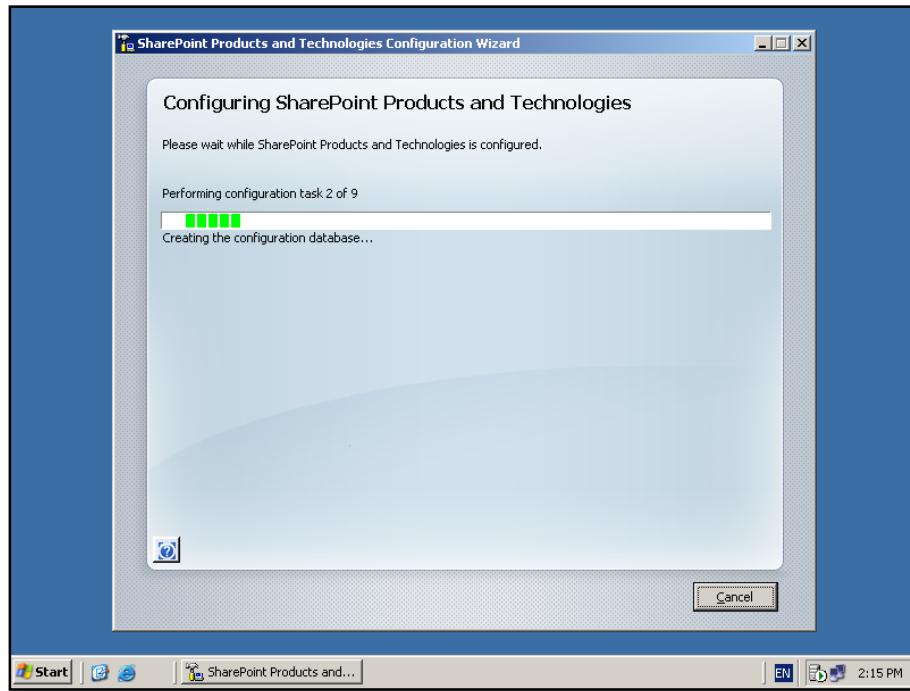
in WSS v3. It is possible to change this at a later stage, however initially, it is recommended that it be left as NTLM.

When this is complete press the **Next** button to continue.
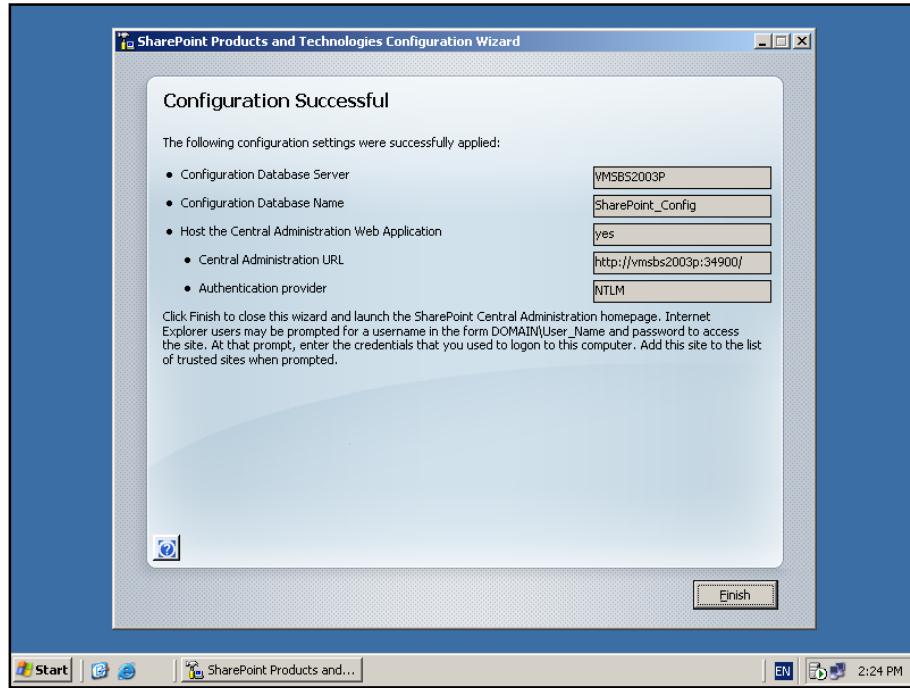
You are now finally presented with a summary of your installation choices. After reviewing these press the **Next** button to continue.
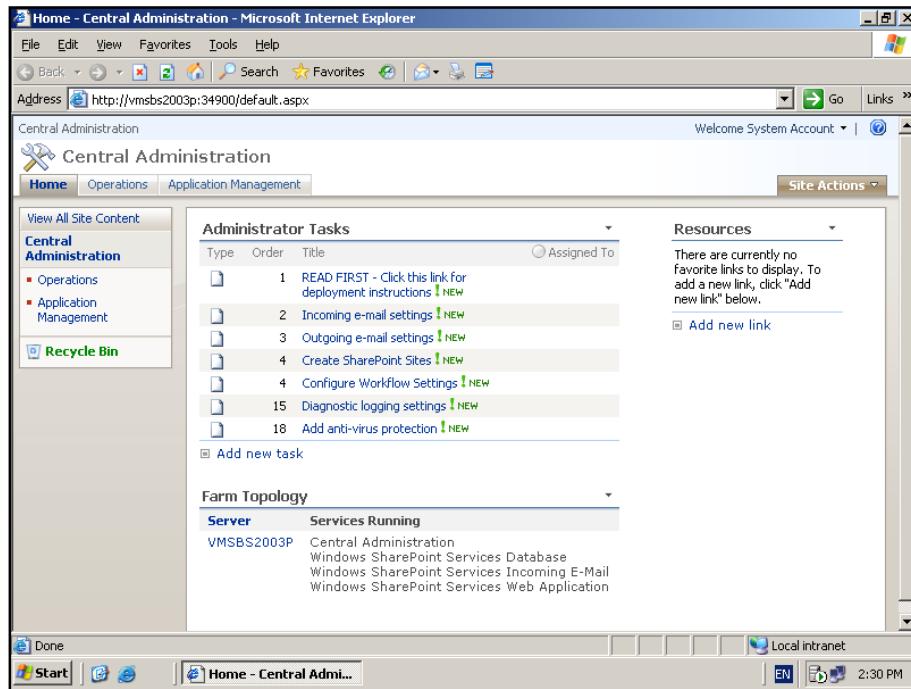
The configuration wizard will now run through about ten or so stages to complete the configuration on the server. During this process there is no option to enter further information and the only option available is to press the **Cancel** button to halt the process.

Once the wizard has completed all the steps you will see the above summary screen indicating that the configuration was successful. Press the **Finish** button to continue.
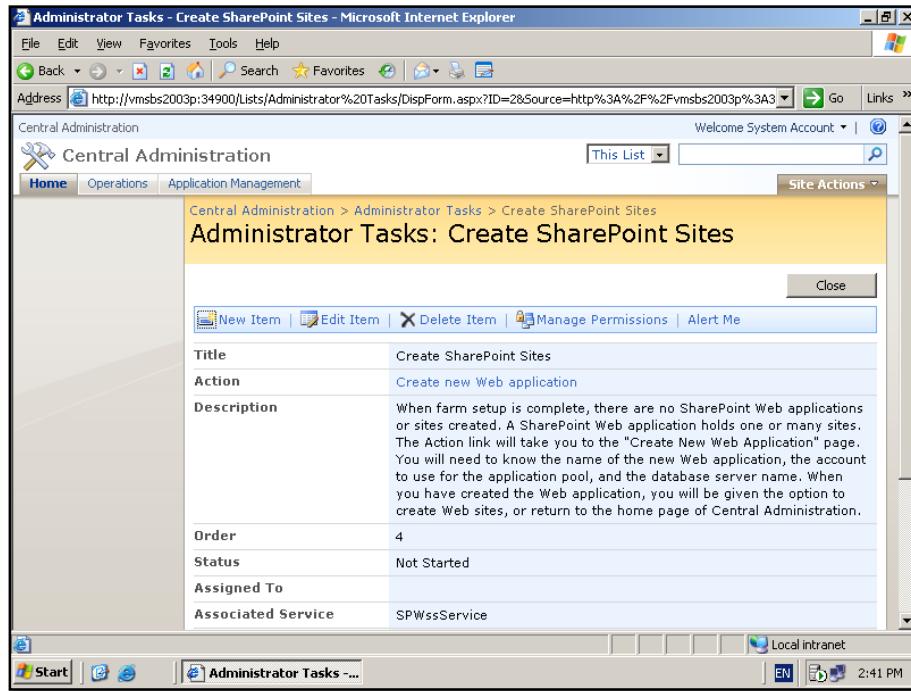
With the *Advanced* installation option selected at the beginning of this installation we now need to configure a WSS v3 web site and site collection. This is done through the *SharePoint v3 Central Administration* which is automatically displayed upon the completion of the configuration wizard.
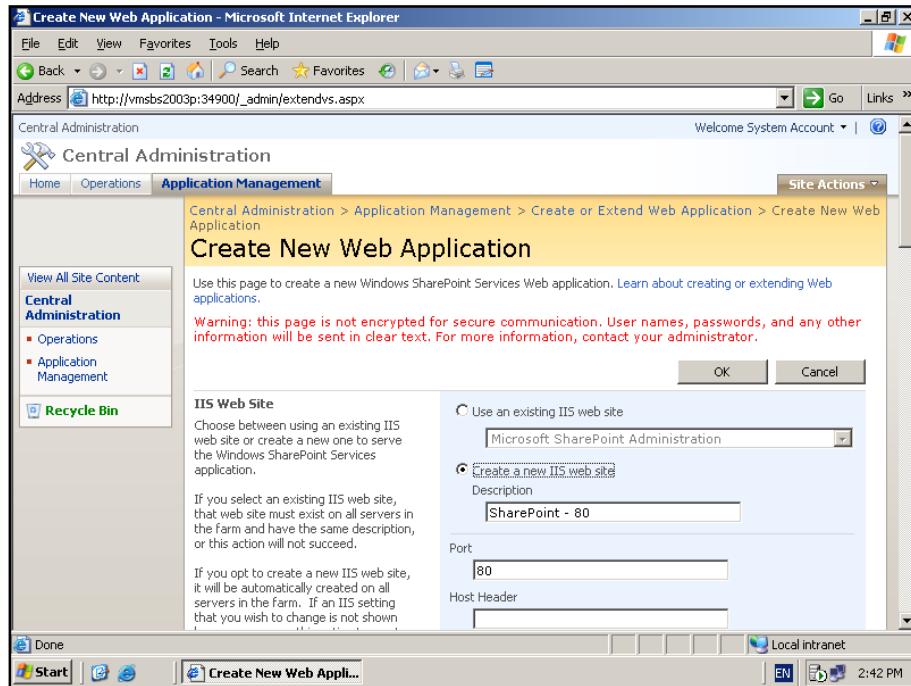
For more detailed information about configuring a WSS v3 website and site collection see the **Chapter 5 – SharePoint Central Administration**. The following steps will take you through the basic steps to getting a WSS v3 site operational.

Under *Administrator Tasks* select the option – **Create SharePoint sites**.
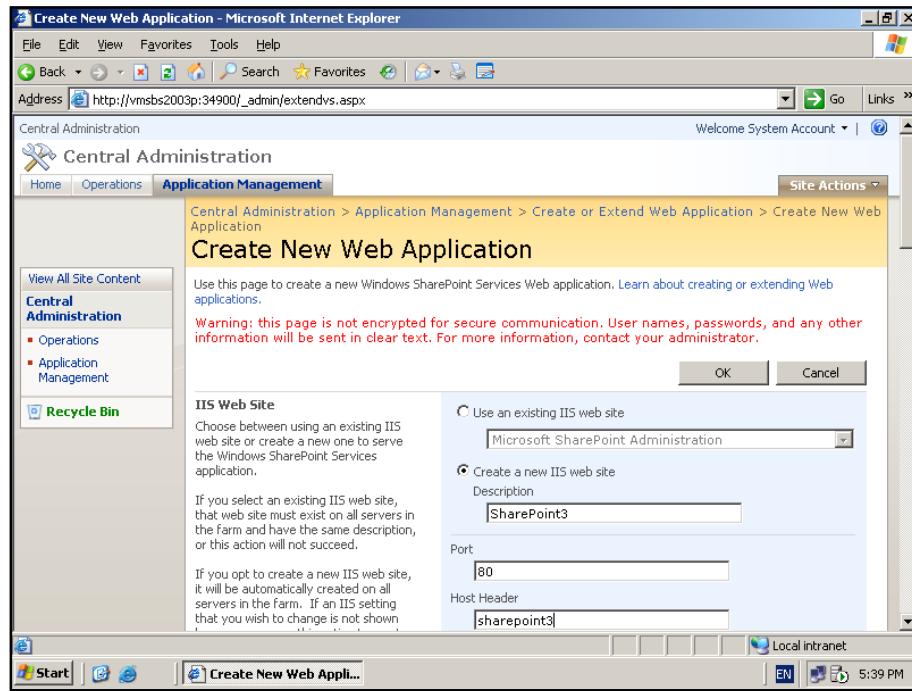
You will then be taken to a summary page detailing the steps, click on the link there to **Create New Web Application**.

The following page will be displayed with some default entries already entered.
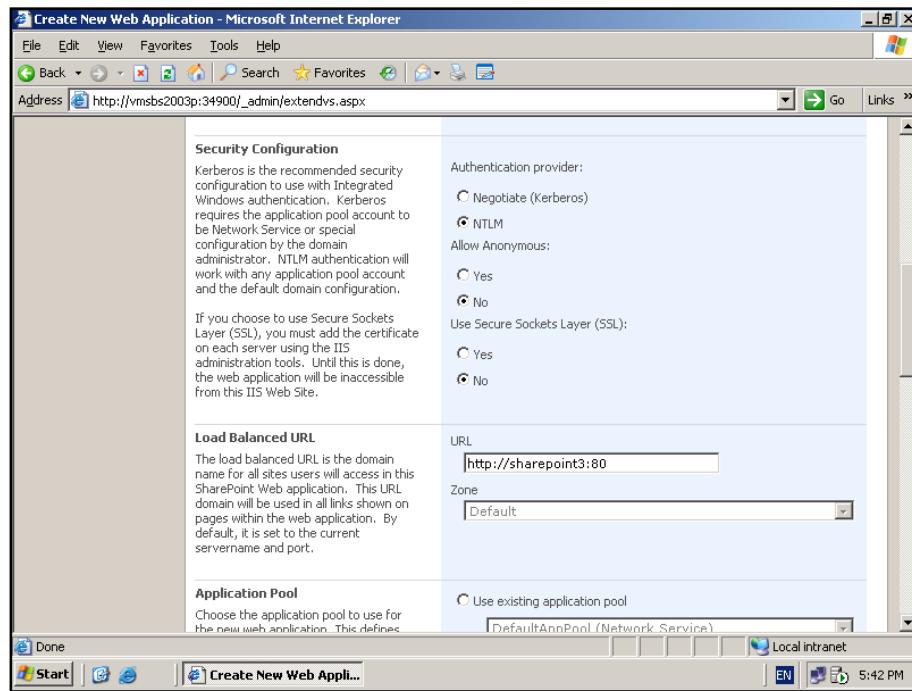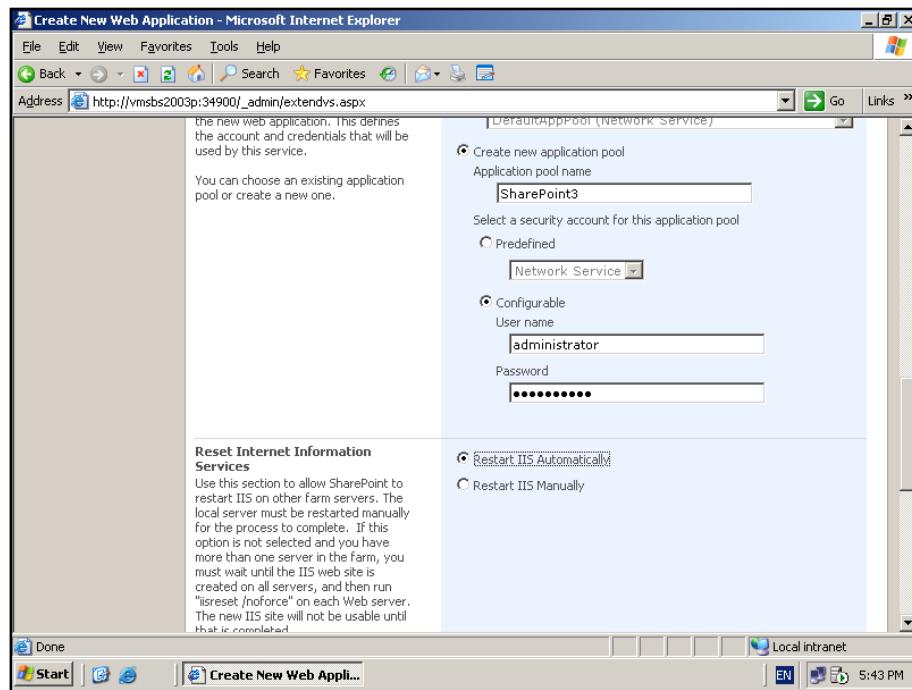
Unlike the installation on a standalone WSS v3 dedicated Windows Server 2003, Small Business Server 2003 already has a default production web site operating on port 80. To overcome this we must configure a 'host header' to allow different websites to function over the same TCP port.

Ensure that you insert a suitable host header into this page in the *Host Header* field, this will be the text that network users will use to access the new WSS v3 site. In this case it will be http://sharepoint3. It is also recommended that you change the *Description* field to something more meaningful.

Scrolling further down you will see a number of options that are already selected, in most cases there is no need to change these so simply continue to scroll down the page.
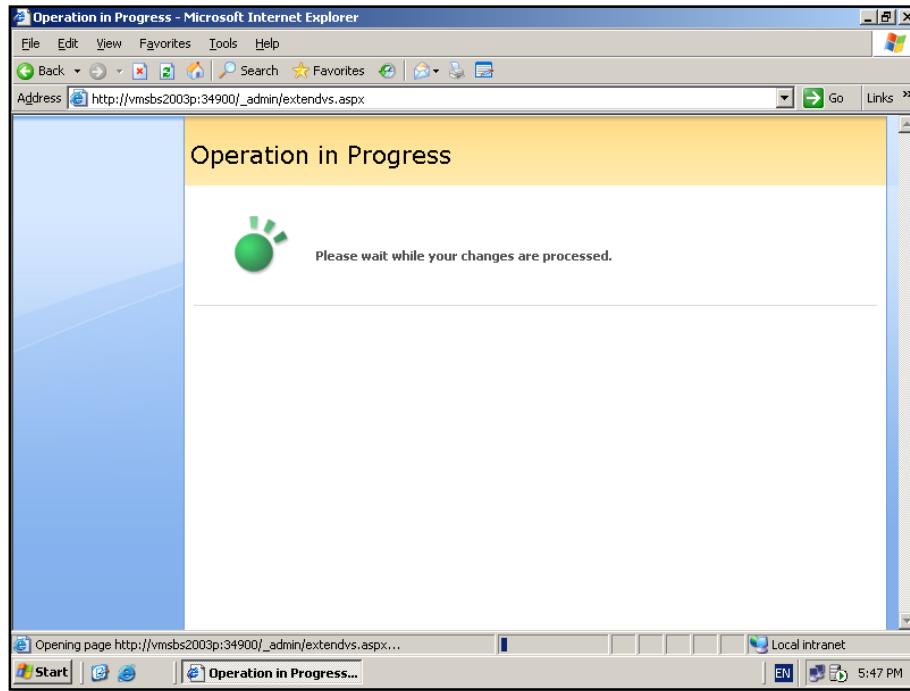
You will need to enter the login details of the security account for a new application pool for the web site. You can also choose to use the standard *Network Service* if desired. For improved security it is recommended that you choose a suitable account.

It is also recommended that you select the option to **Restart IIS Automatically**.
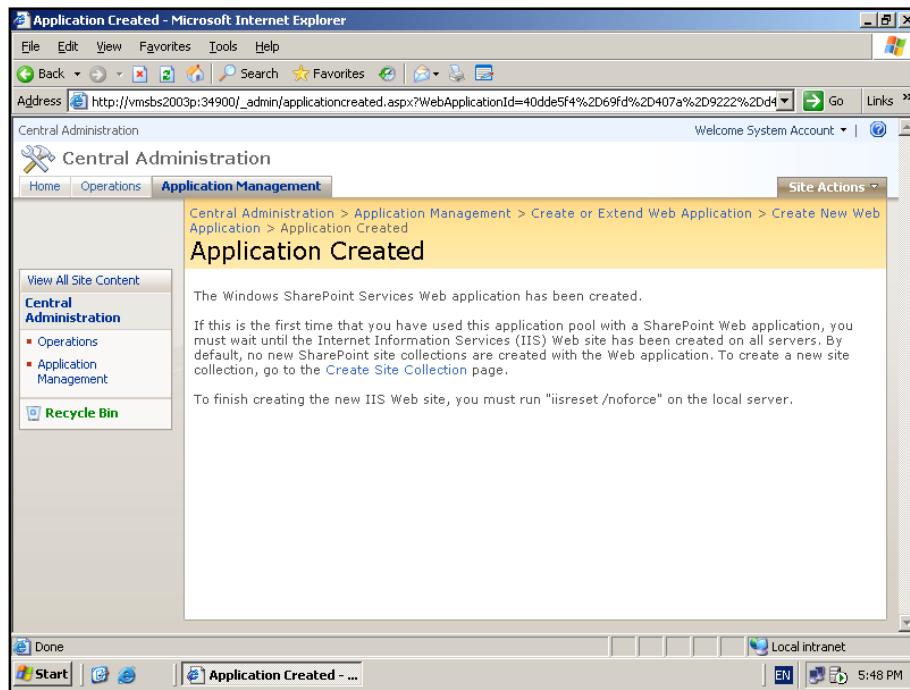
After completing all the details on this page press the **OK** button to configure the web application.

You should now see the *Operation in Progress* page. This will take a few minutes to complete.

Once complete you should see the above screen indicating that the application has been created. You now need to select the link **Create Site Collection** to create a WSS v3 site.

Once you have clicked the **Create Site Collection** link you will see the above page asking you to complete the new site details. Select a site name and description and scroll down the screen.

Now, select the template you wish to use when creating your WSS v3 site. More information about the options available here can be found in the **Chapter 5 – Central Administration** and **Chapter 10 - Site Templates**.

You will also need to enter a valid user in the field *Primary Site Collection Administrator*. This user has administrative rights over the WSS v3 you are about to create. Note that this user does not have to be the domain or server administrator, it can be any valid user. You are also able to enter another user as the secondary site collection administrator as a backup.

Press the **OK** button to create the site.

You should now see the *Operation in Progress* page. This will take a few minutes to complete.

At completion you now see a page similar to that above indicating that a top level site has been successfully created. If you select the link to the WSS v3 site just created you

will receive and error message saying that the site can't be found. Some additional configuration now has to be completed before the new site is available.


An entry for the new WSS v3 site needs to be added to DNS. To do this go **Start | Administrative Tools | DNS** to launch the DNS configuration utility on the Small Business Server 2003.

Under DNS locate your Small Business Server 2003 name, then **Forward Lookup Zones** then your **domain**. **Right mouse click** on your domain and select **New Host (A)**.

In the *Name* field enter the name of your WSS v3 site (here sharepoint3) and in the IP Address enter the internal (LAN) IP address of the Small Business Server 2003. Click **Add Host** to add the record, then select **Done** to close the New Host window.

If you now look at the DNS entries you should see an entry for the WSS v3 site with the same IP address as the Small Business Server 2003. Close the DNS console and select **Start** | **Run** and type **Cmd** and press **Enter** to display a command prompt.

At the command prompt type **ipconfig /flushdns** to remove any existing DNS entries. Then type **ping <wss_v3_site>**, in this case **ping sharepoint3**.

If all is correct you should see a reply from the WSS v3 site you have created. Close the command prompt window. Open a browser window and type the name of your WSS v3 site into the address line.

Your WSS v3 web site should now be displayed.

The final step is to ensure that the site has been enabled for searching. Because this server was installed using the advanced method and as a web front end, search services will probably not be configured.
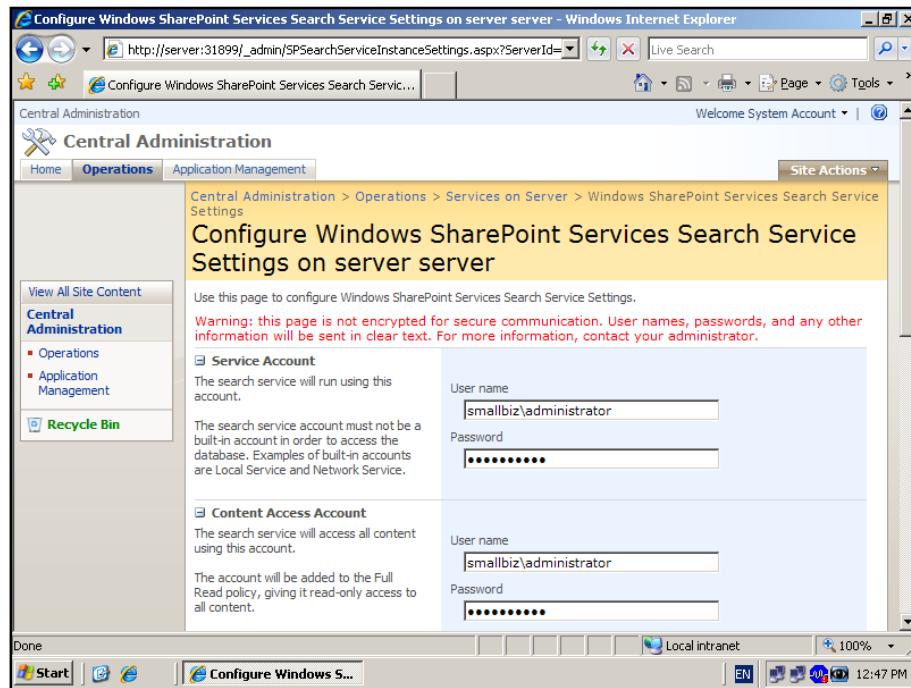

Run the SharePoint 3.0 Central Administration on the SBS Server by logging into the server as an administrator and then select **Start | Administrative Tools | SharePoint 3.0 Central Administration**.

Select the *Operations* tab and then **Servers in farm** from the *Technology and Services* group.

This option will display all the running WSS v3 services. As you can see from the above screen the *Windows SharePoint Services Search* is stopped. Click on the **Start** link to configure this.
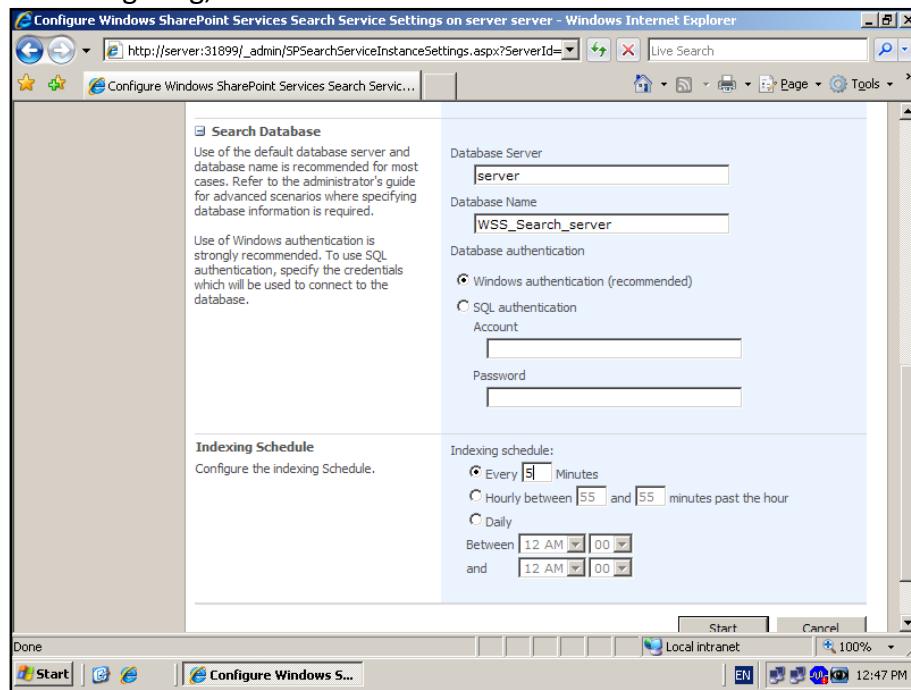
Enter in the user details for the service account that will run the search service as well as the account that will access the content during indexing. Note that this account will be given full read-only access to all content.

It is recommended that you enter these accounts as *<domain>\<user>*.

To continue configuring, scroll down the screen.
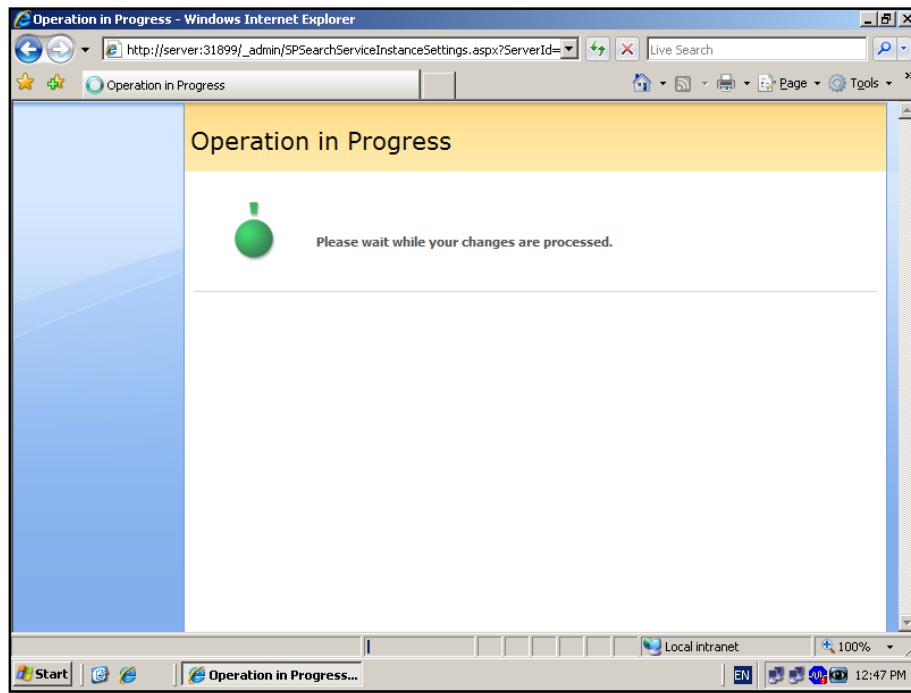
You can now enter the search database server and name. Normally it is recommended that you don't change these from their default settings. It is also recommended that you use *Windows Authentication*.

Lastly, select how often you wish indexing to take place. Remember that frequent indexing will impact on the performance of your server but will ensure changed content is quickly searchable. You will not be able to see any search results until an indexing crawl of your WSS v3 content has completed.

Press the **Start** button to save your configuration.
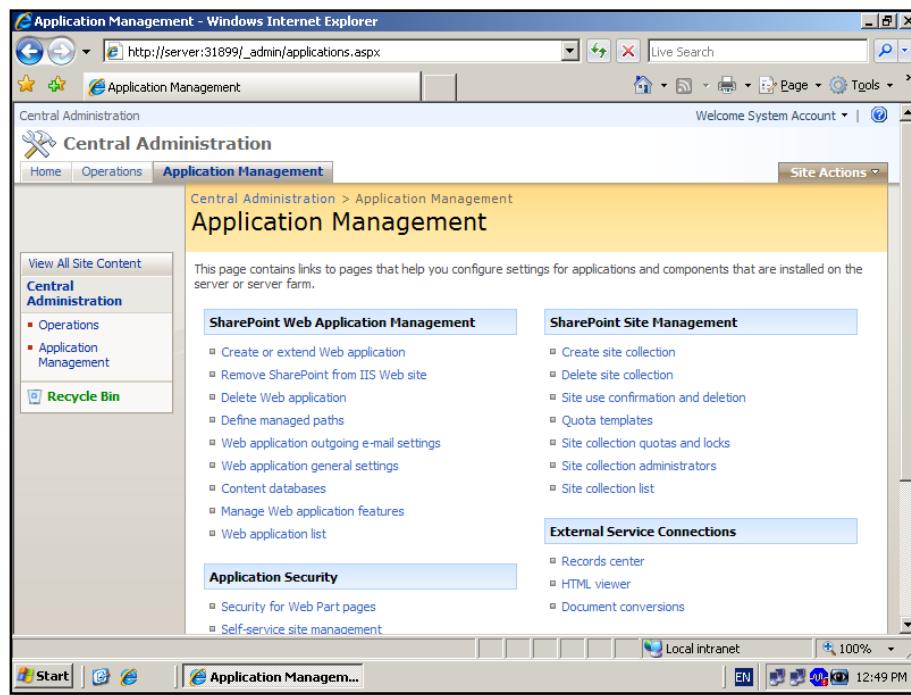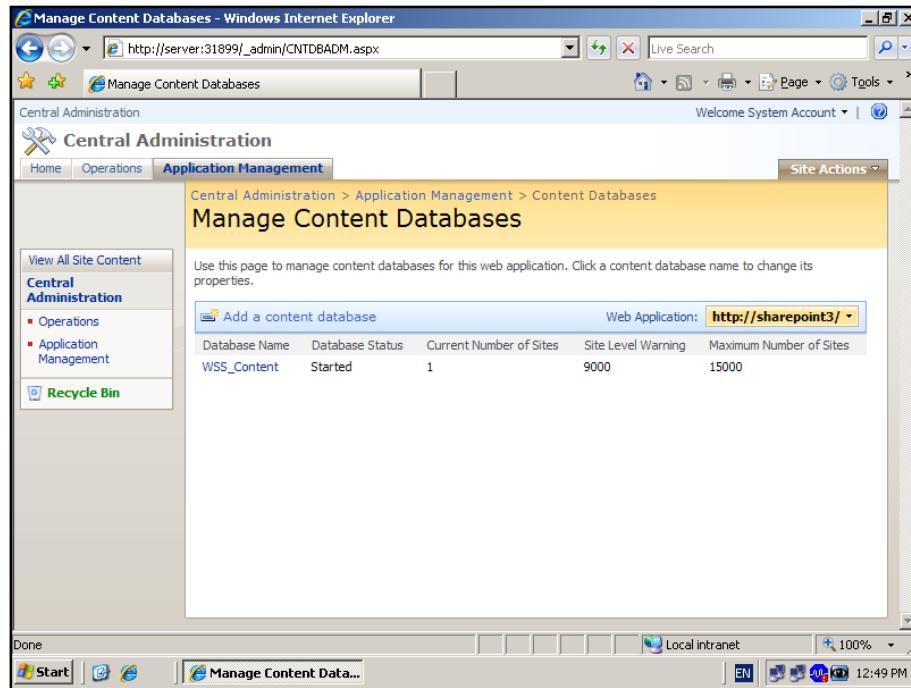
The system will now configure your installation.

After this you should be returned to the *Services on Server* screen where you should see that all the services are now started.
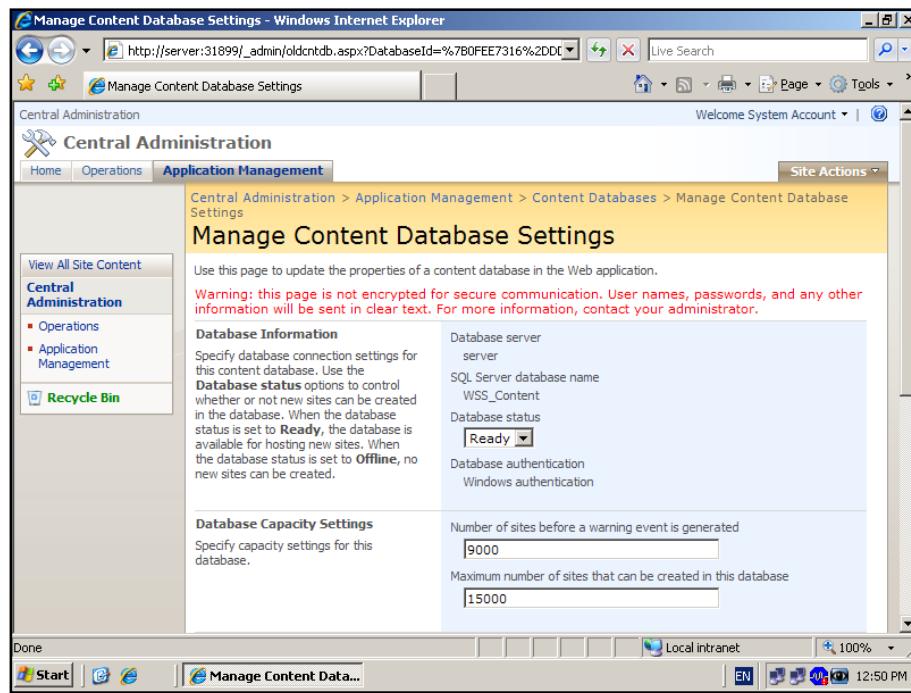
Now select the *Application Management* tab. Then select **Content databases** from under the *SharePoint Web Application Management* Group.
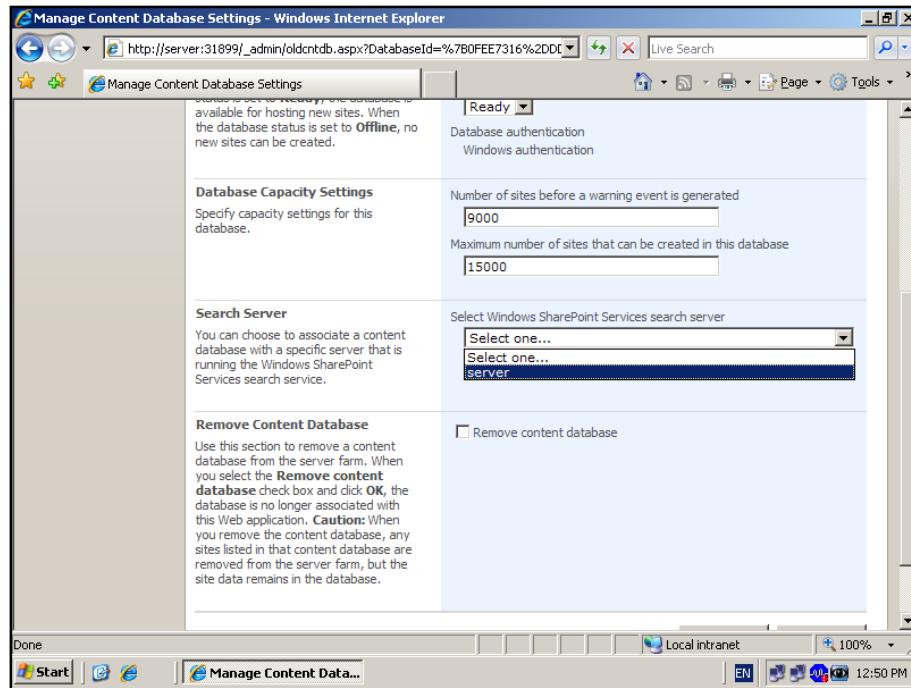

You should now see your WSS v3 content database (in this case WSS_Content, which is the default). **Click** on the name of your content database to configure it.
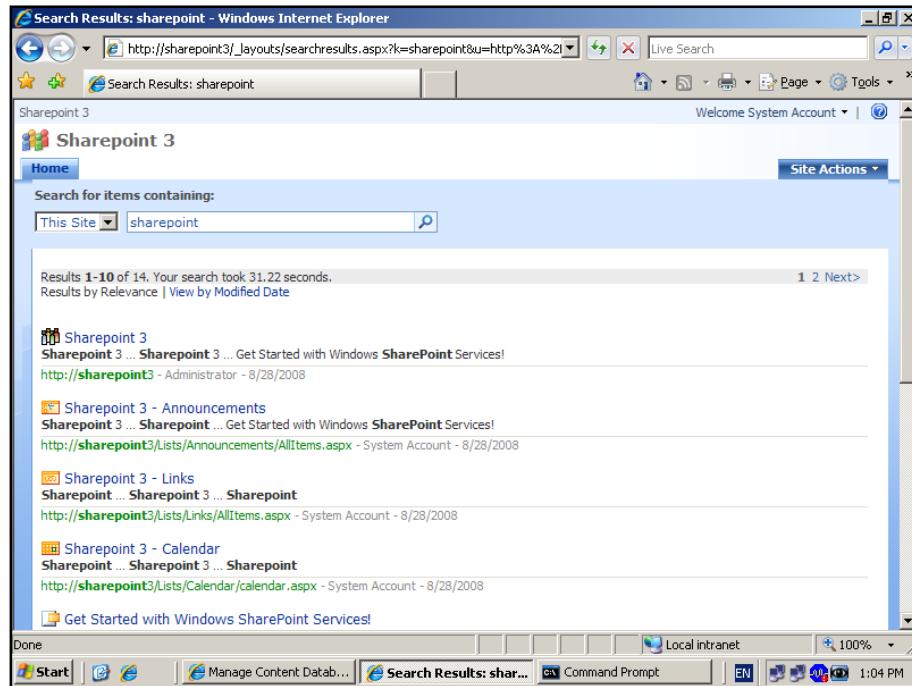
Scroll down the screen.

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

Press the **OK** button at the bottom of the screen to save the configuration.
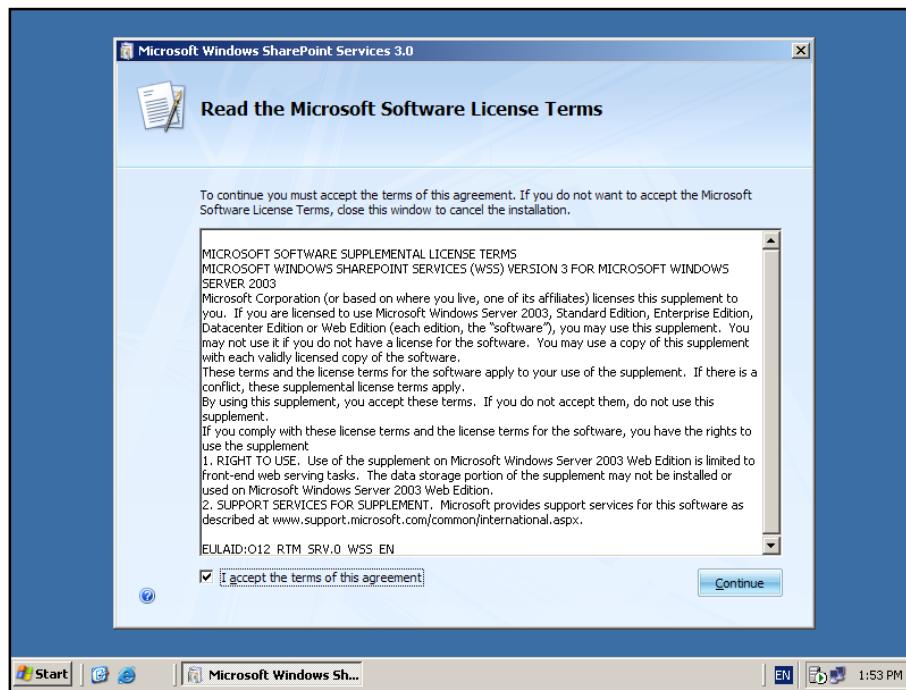
If you now return to your WSS v3 site and enter in a search request you should see the results displayed. Remember that search results will not display until an index crawl has completed.

Default installation
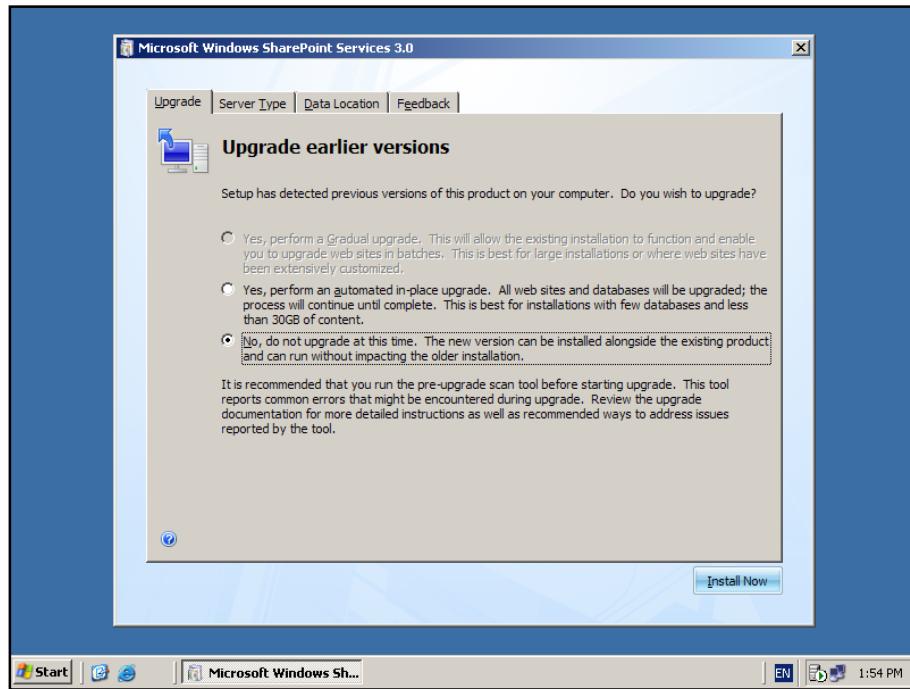
After meeting all the server prerequisites and downloading the WSS v3 software from the Microsoft web site, commence the installation by double clicking on the sharepoint.exe file.

The installation file will be checked and extracted to your machine and then the setup process will commence.

The first window to be displayed will be the *Microsoft Software License Terms*. After reviewing this, check the - **I accept the terms of this agreement** in the lower left of the window and press the **Continue** button.
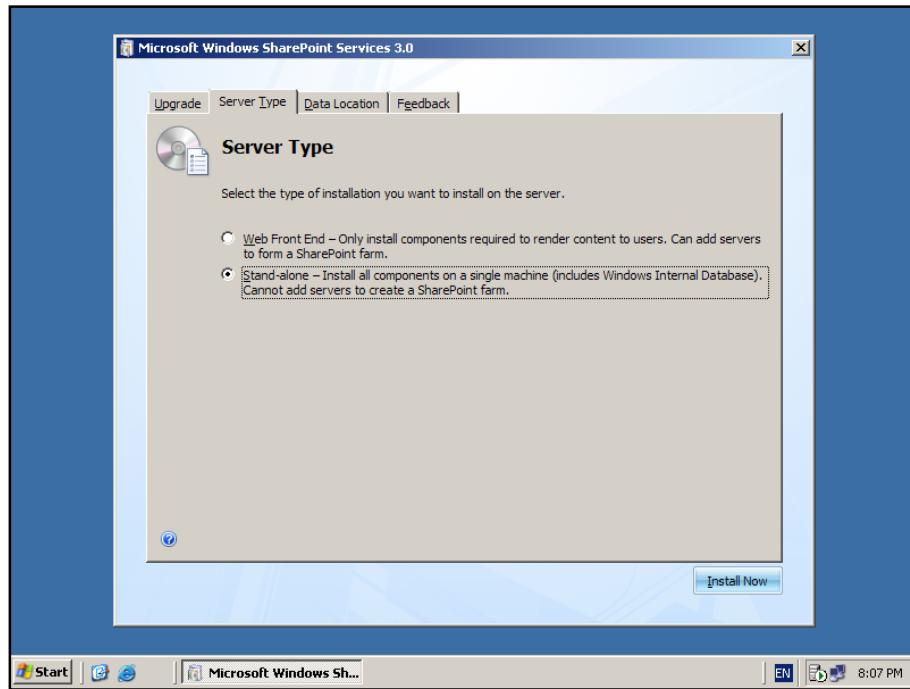
Since Small Business Server normally already has a previous version of SharePoint installed (v2) the above windows is displayed asking whether you wish to upgrade this existing version.

It is critical that you DO NOT choose to upgrade the existing SharePoint v2 version. Doing this will cause a number of Small Business Server settings to stop working. It is therefore recommended that you do a side by side installation. This will allow both SharePoint v2 and WSS v3 to run on the Small Business Server 2003. To facilitate this select the option – **No, do not upgrade at this time** from the **Upgrade** tab.
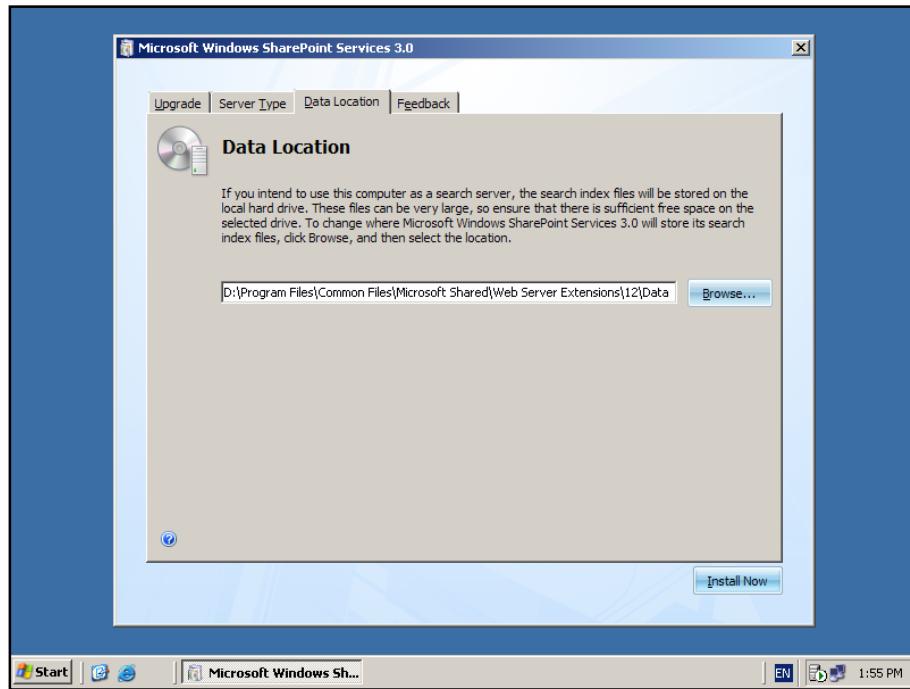
Moving to the **Server Type** tab allows you to select the type of installation you wish to complete. In this case because we wish to do a *Default Installation* select the option – **Stand-alone**. Remember the following items that will automatically be configured:

a. Install Microsoft SQL Server 2005 Express Embedded Edition (SSEE) as the WSS v3 storage option and install this automatically to *c:\windows\sysmsi\ssee\mssql.2005\mssql\data.* This cannot be upgraded if required in the future.

b. Configure a WSS v3 web site on port 80.

c. Configure a WSS v3 team site collection.

d. A single server, non-expandable installation.

The Data Location tab allows you to specify where the WSS v3 program files will be stored. By default these will be installed in *c:\program files\common files\Microsoft shared\web server extensions\12\data*. You can specify any location by changing the entry displayed. It is recommended that you only change the drive letter if necessary to ensure compatibility and ease of future support.

Once you have made your selections click the **Install Now** button in the lower right of the window to continue.

WSS v3 will now be installed onto your system with the options you have previously selected.

When the installation is successfully completed you will see the above window. By default, the *Run the SharePoint Products and Technologies Configuration Wizard now*

option is selected. If you wish to configure WSS v3 at a later stage simply uncheck this
option. Press the **Close** button to continue.

Select **Next** to continue. Unlike the *Advanced installation* that was completed earlier
you are not reminded to provide the name of a database server or username and
password for the database access account since these choices have already been made
by the installation program under the default installation option selected earlier.
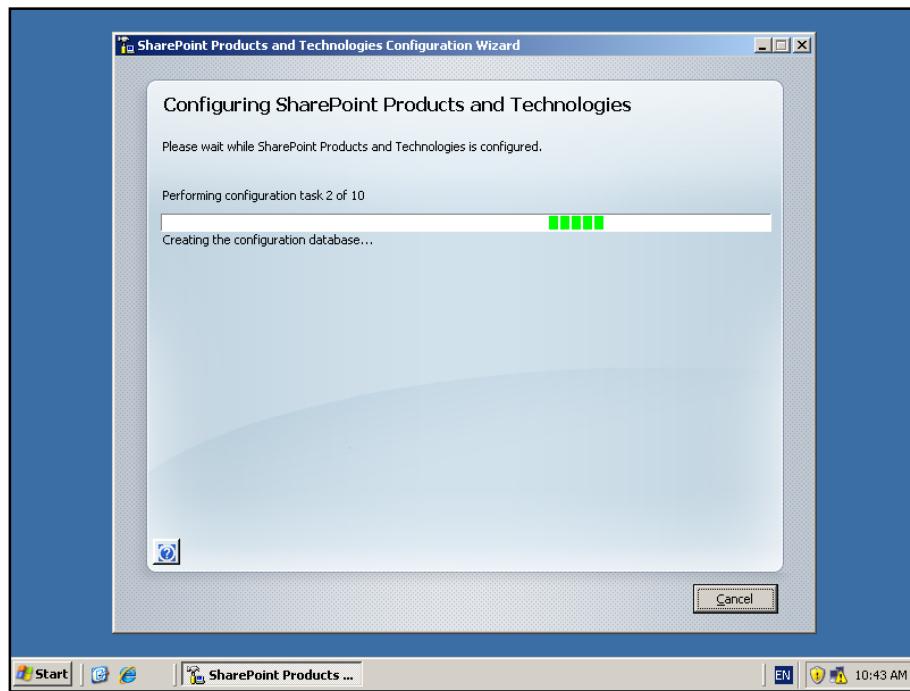
You will again be prompted to the fact that the following services will be started or restarted:

- Internet Information Service (IIS)
- SharePoint Administration Service
- SharePoint Timer Service
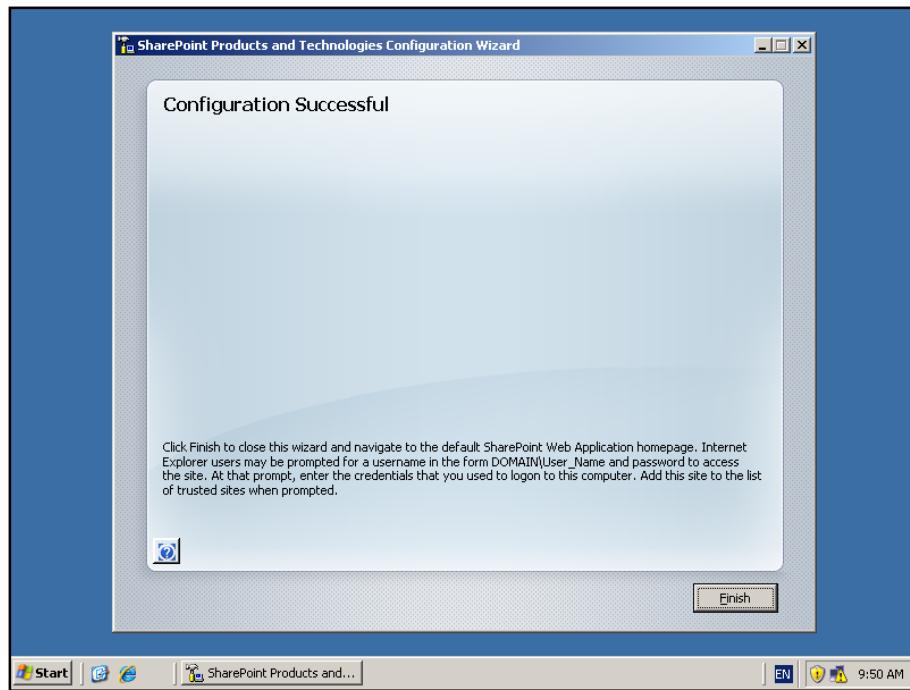
You need to be aware that this operation may have an impact on other applications that use these services which could impact network users interacting with these.

If you wish to proceed with the installation press the **Yes** button.
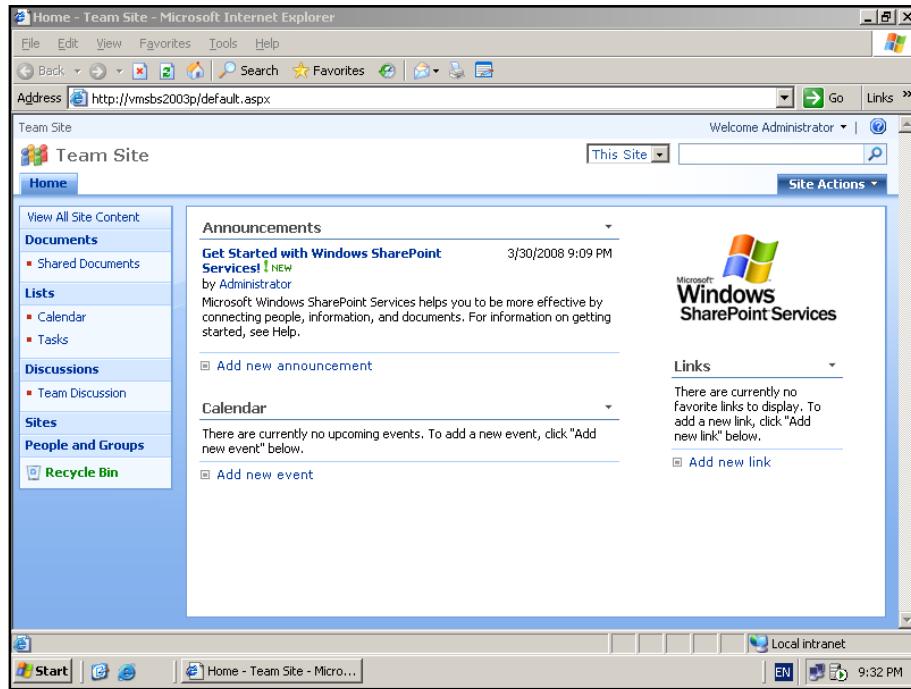
Unlike the *Advanced Installation* no further configuration options are provided and the configuration wizard will now run through ten or so stages to complete the configuration on the server. During this process there is no option to enter further information and the only option available is to press the **Cancel** button to halt the process.
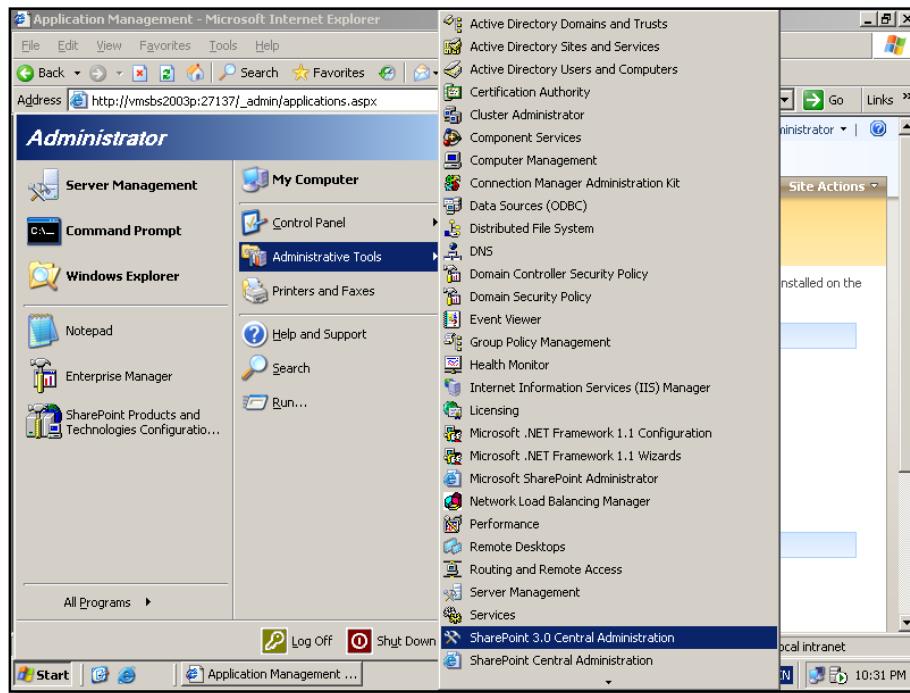
When the wizard completes you should see a Completion Successful window like that shown above. Press the **Finish** button to continue.
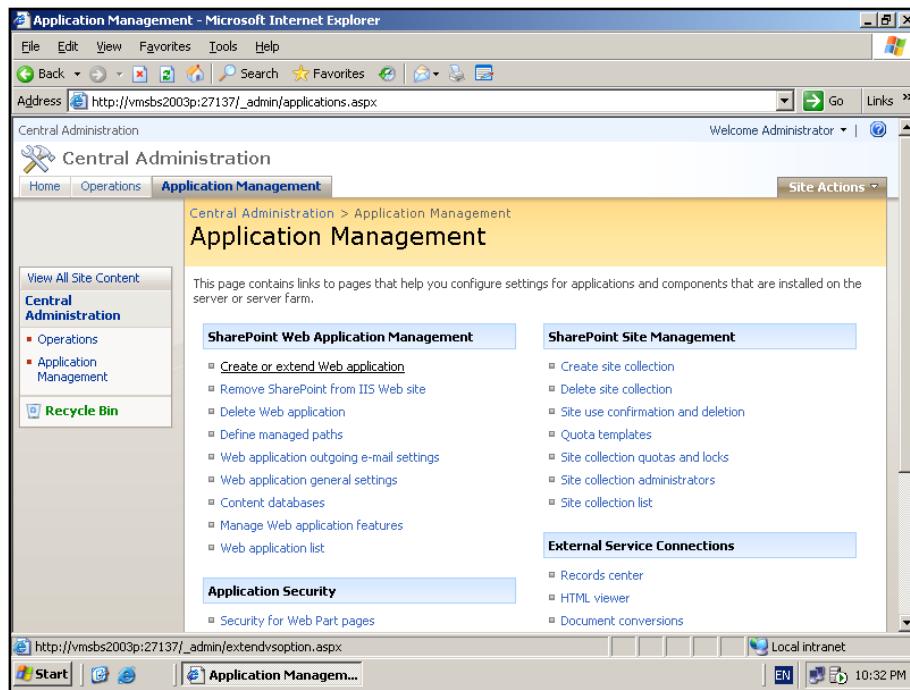
This should now display the default WSS v3 site, however the default installation has taken over the Small Business Server 2003 default web site on port 80. This will cause issues with the operation of Small Business Server 2003 and therefore needs to be rectified.
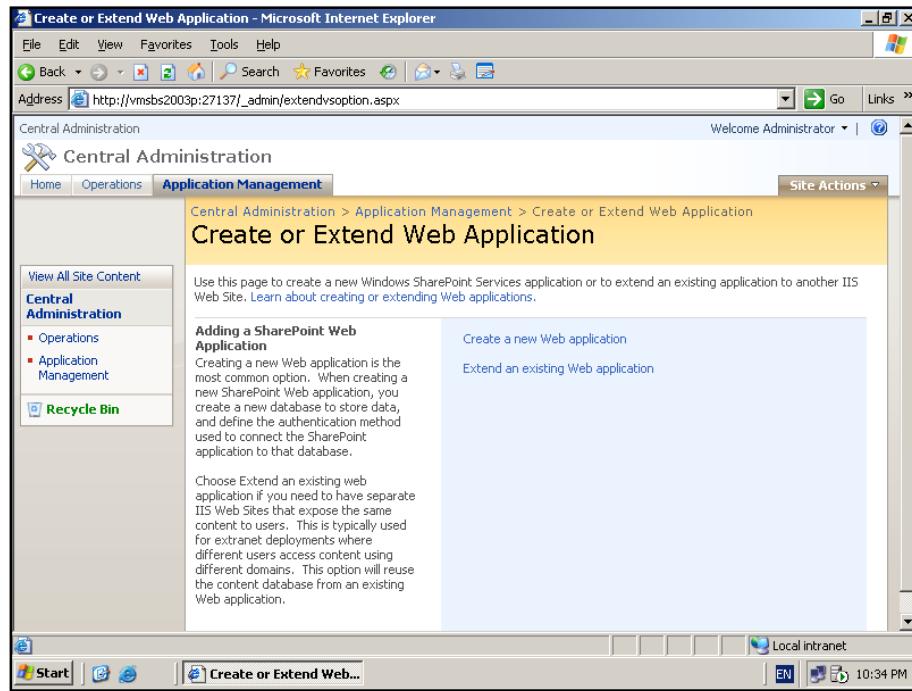
Run the **SharePoint 3.0 Central Administration** via **Start | Administrative Tools | SharePoint 3.0 Central Administration** on the Small Business Server.
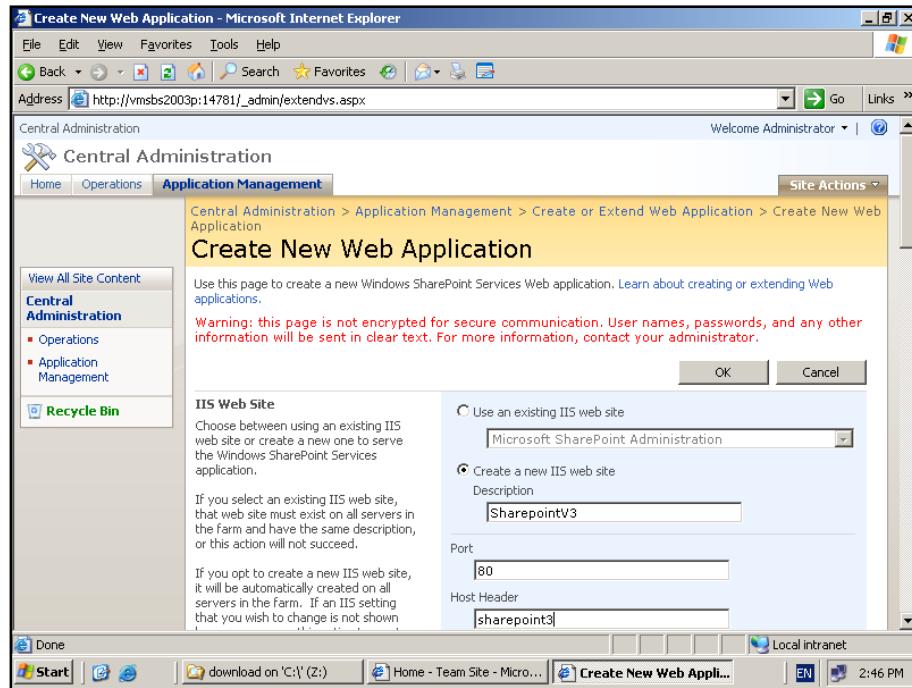
Select the *Applications Management* tab then **Create or extend Web application** from the *SharePoint Web Application Management section*.

Select the **Create a new Web application** link.
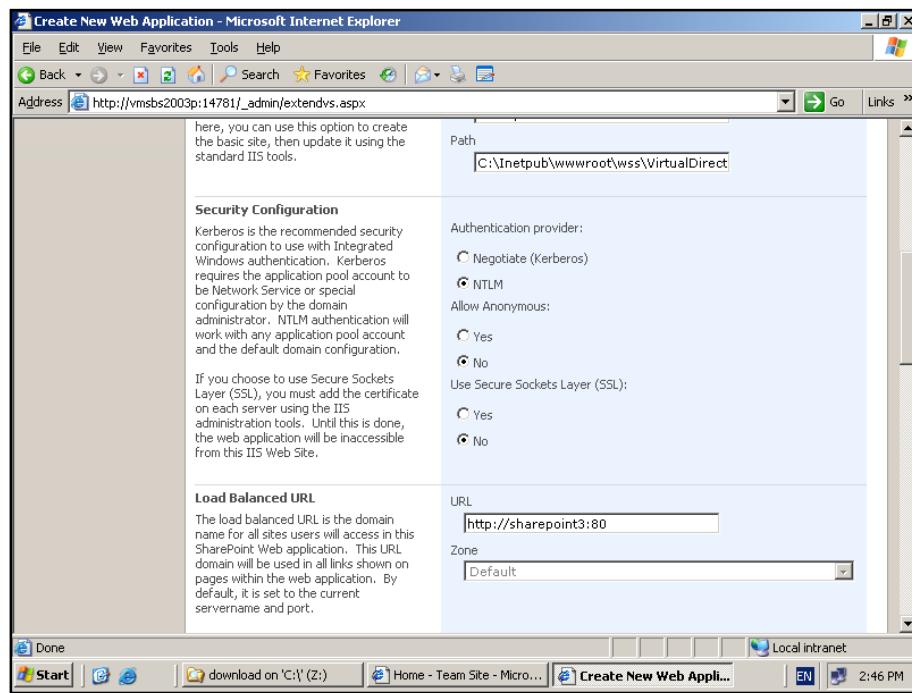
Unlike the installation on a standalone Windows Server 2003, Small Business Server
2003 already has a default web site operating on port 80 that is required. To overcome
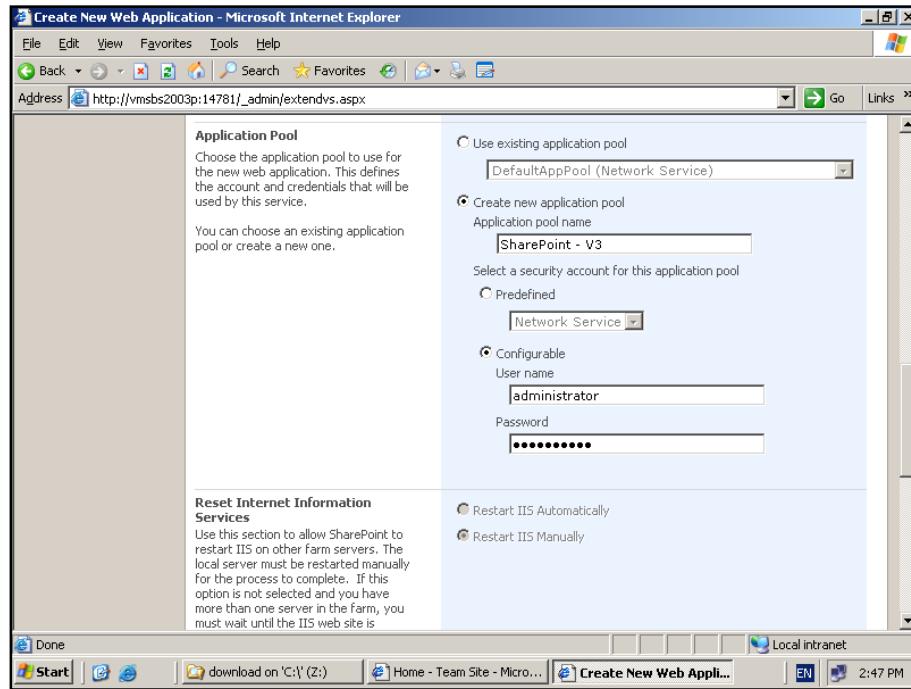
this we must configure a *Host Heade*r to allow different websites to function over the same TCP port. By default, the *Create New Web Application* page will display a TCP port other than port 80. You can change this back to port 80 provided you also include a *Host Header*.

For this new WSS v3 site to work with the IIS configuration ensure that *Host Header* entered here is identical to that to be used in the IIS configuration stage later on (in this case sharepoint3). This *Host Header* will be the text that network users will use to access the new WSS v3 site. In this case it will be http://sharepoint3.

Scrolling further down you will see a number of options that are already selected. In most cases there is no need to change these so simply continue to scroll down the page.
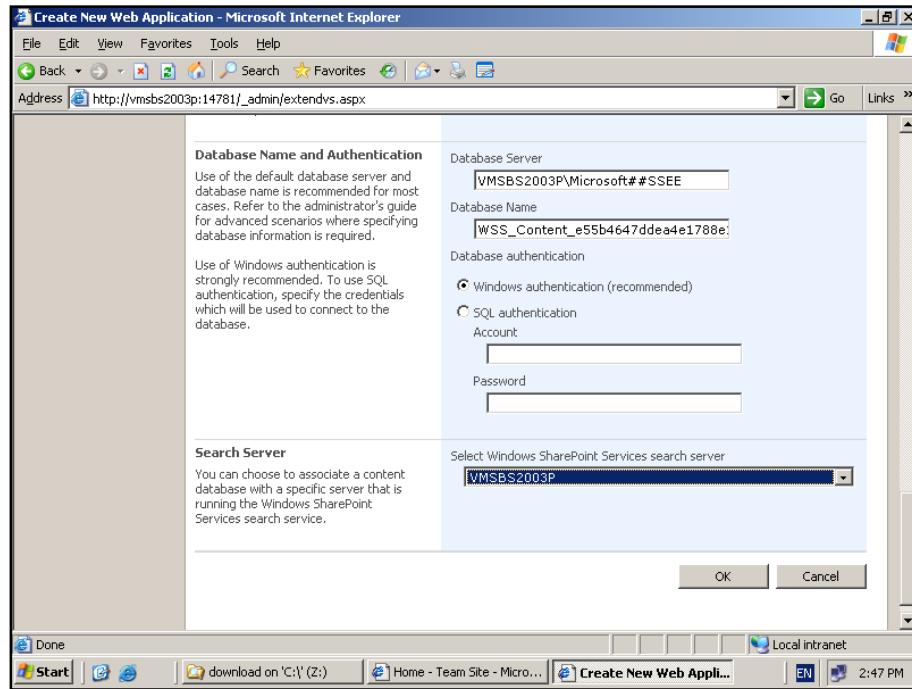
You will need to enter the login details of the security account for a new application pool for the web site. You can also choose to use the standard *Network Service* if desired. For improved security it is recommended that you choose a suitable account.

Note that the option *Restart IIS Automatically* is grayed out. You will need to restart IIS at a later stage. Continue scrolling down the page.
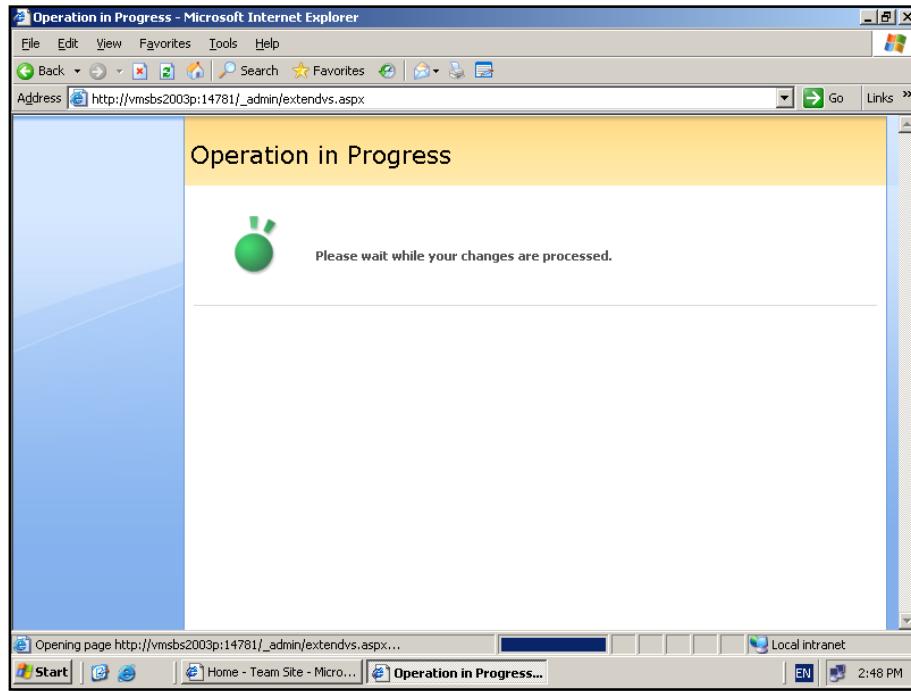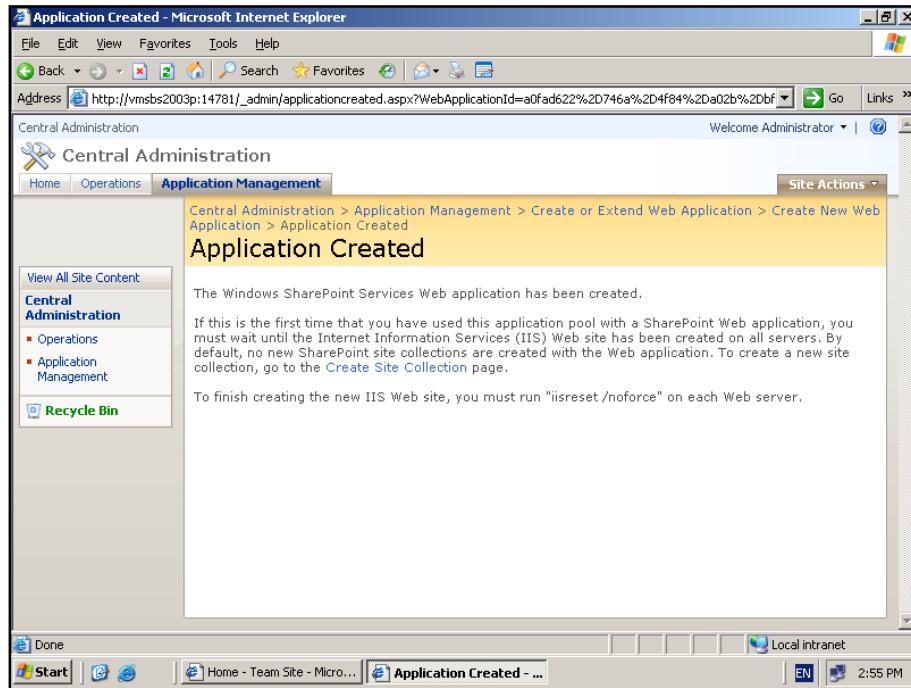
You should now see the name of the *Database Server* and the *Database Name*. Again, it is recommended that you leave these unchanged. The Database authentication is usually set to Windows but can be changed if desired. Finally, you can select a *Search Server*. This server is used for indexing all the WSS v3 content, however since this is stand alone installation of WSS v3 the only server available will be the Small Business Server 2003.

Once you have made all the desired selection press the **OK** button to continue.

You should now see the *Operation in Progress* page. This will take a few minutes to complete.

Once complete you should see the above screen indicating that the application has been created. You now need to select the link **Create Site Collection** to create a WSS v3 site.

Once you have clicked the **Create Site Collection** link you will see the above page asking you to complete the new site details. Select a site name and description and scroll down the screen.

Now, select the template you wish to use when creating your WSS v3 site. More information about the options available here can be found in the **Chapter 5 – Central Administration** and **Chapter 10 - Site Templates**.

You will also need to enter a valid user in the field *Primary Site Collection Administrator*. This user has administrative rights over the WSS v3 site you are about to create. Note, that this user does not have to be the domain or server administrator, it can be any valid user. You are also able to enter another user as the *Secondary Site Collection Administrator* as a backup.

Press the **OK** button to create the site.

You should now see the *Operation in Progress* page. This will take a few minutes to complete.
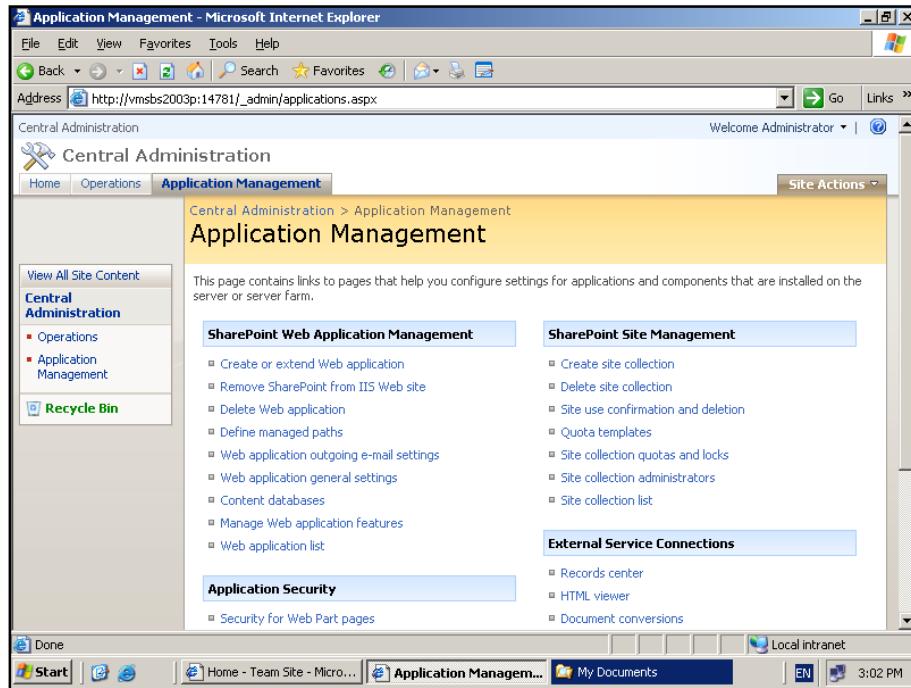
At completion you now see a page similar to that show above indicating that a top level site has been successfully created. If you select the link to the WSS v3 site just created you will receive and error message saying that the site can't be found. Some additional configuration now has to be completed before the new site is available.

Chapter 4 – Installing Windows SharePoint Services 3.0 onto Small Business Server 2003

Return to the WSS v3 *Application Management* tab by using the breadcrumb navigation at the top of the page. Select **Delete Web Application** from the *SharePoint Web Application Management* section.
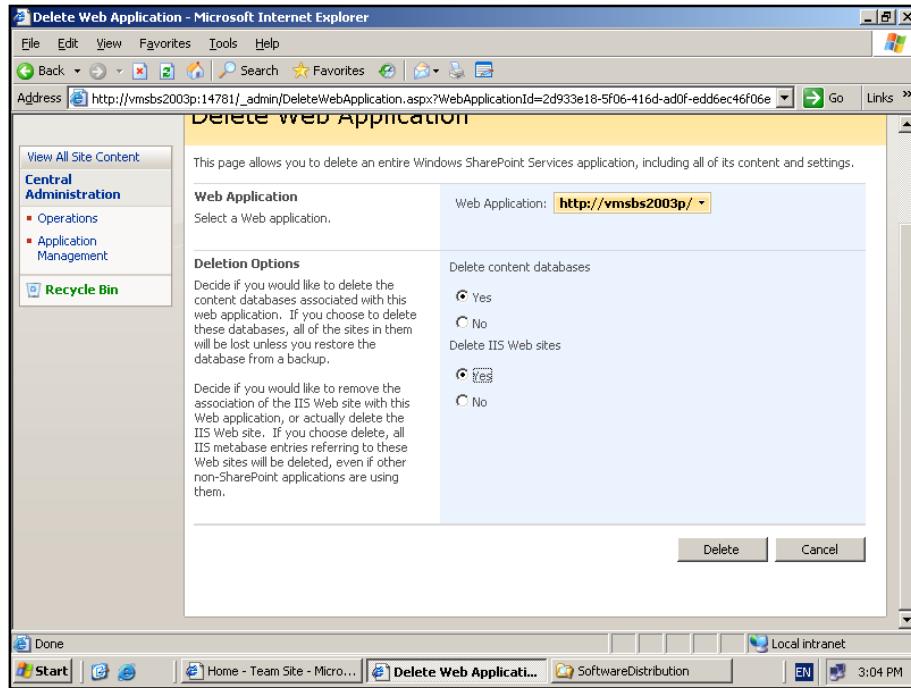
Click the *Web Application* option and select the option to **Change Web Application**.

In the list that is displayed select the original WSS v3 site that was created by the default installation. Normally this will be the name of your server (in this case vmsbs2003p). Ensure that you don't select the new WSS v3 site you just created (in this case sharepoint3).
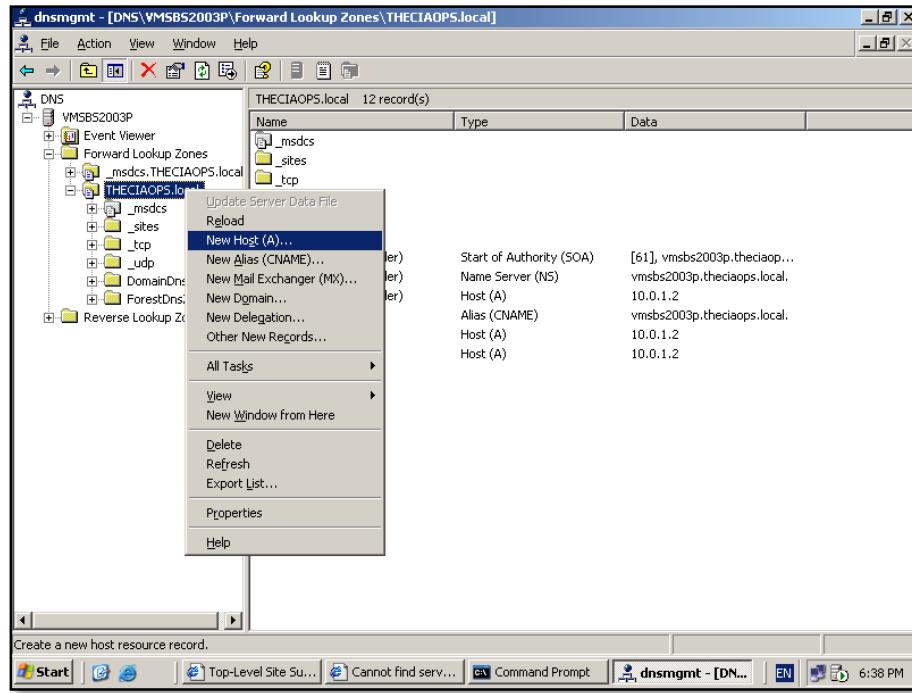
You should now be returned to the *Delete Web Application* screen. You should now see the WSS v3 site you wish to delete listed next to *Web Application*. Once again ensure that this displays the name of the default WSS v3 site not the new WSS v3 site you just created (typically the site to be deleted will have the Small Business Server 2003 name).

Ensure that you also select the options to delete the content databases and the IIS web site. This will ensure all reference to the default WSS v3 site are removed from your server.
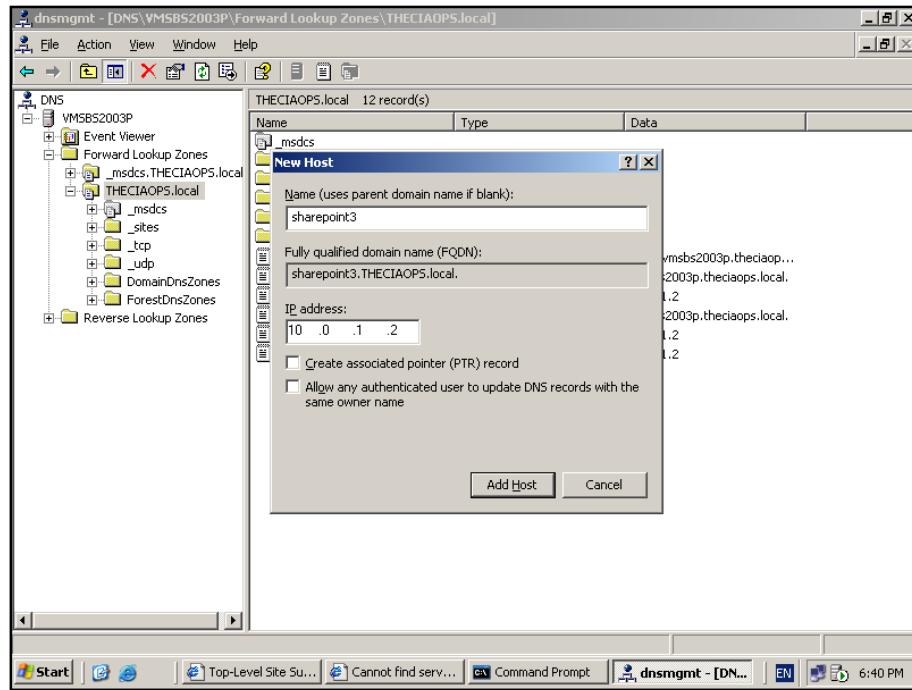
When ready press the **Delete** button to continue. You will then be prompted with a message asking you whether you are sure you wish to delete the site. Select **OK** to delete the default WSS v3 site.

Now an entry for the new WSS v3 site needs to be added to DNS. To do this go **Start** | **Administrative Tools** | **DNS** to launch the DNS configuration utility on the Small Business Server 2003.

Under DNS locate your Small Business Server 2003 name, then **Forward Lookup Zones** then your **domain**. **Right mouse click** on your domain and select **New Host (A)**.

In the *Name* field enter the name of your WSS v3 site (here sharepoint3) and in the *IP Address* enter the internal (LAN) IP address of the Small Business Server 2003. Click **Add Host** to add the record.


Press **OK** to continue.

Select **Done** to close the *New Host* window.

If you now look at the DNS entries you should see an entry for the WSS v3 site with the same IP address as the Small Business Server 2003 (in this case sharepoint3). Close the DNS console and select **Start** | **Run** and type **Cmd** and press **Enter** to display a command prompt.

At the command prompt type **ipconfig /flushdns** to remove any existing DNS entries. Then type **ping <wss_v3_site>**, in this case **ping sharepoint3**.
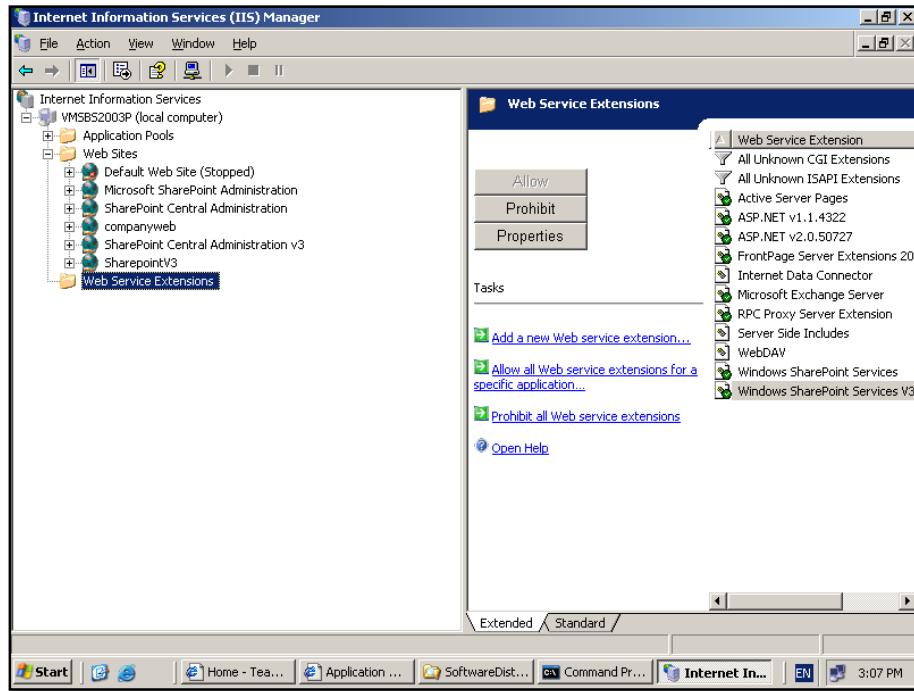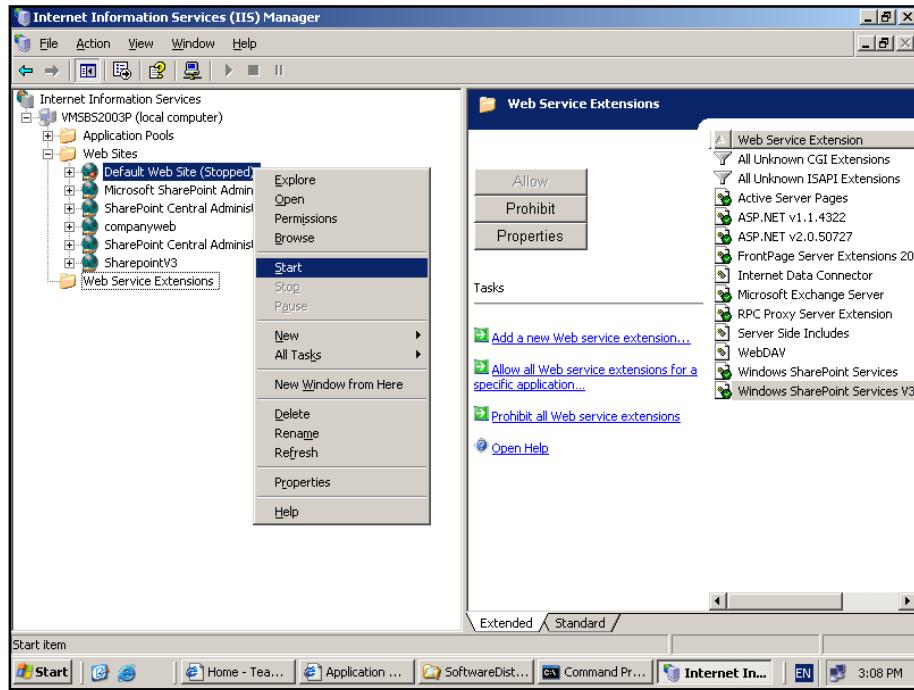
If all is correct you should see a reply from the WSS v3 site you have created. Close the command prompt window.

You now need to start the default Small Business Server 2003 web site that was halted during the WSS v3 installation. Go **Start** | **Administrative Tools** | **Internet Information Services (IIS) Manager**.
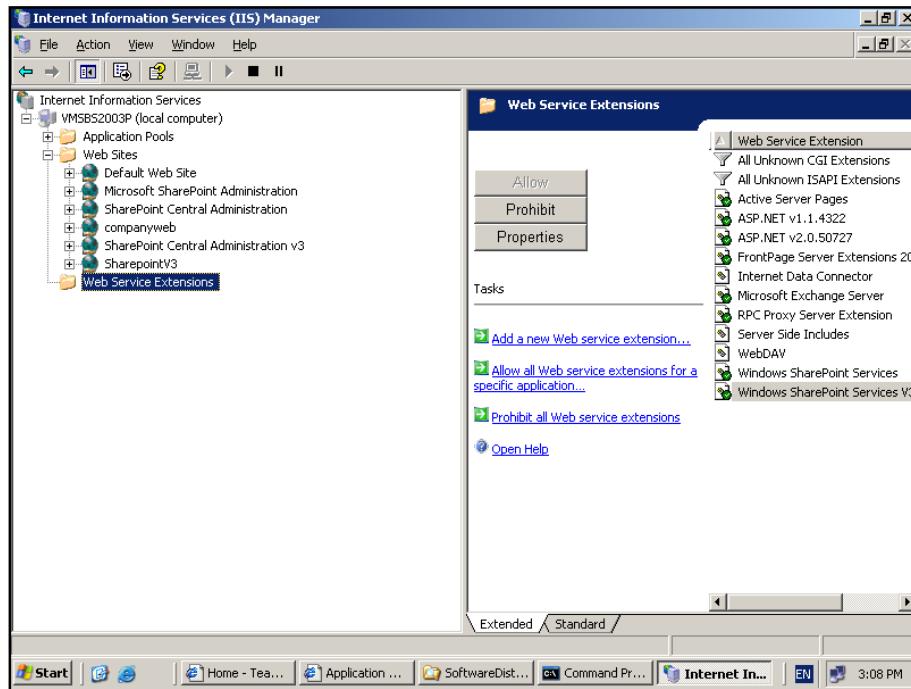
Expand your server name, then *Web Sites.* Underneath you should see *Default Web Site* and note that it is also *Stopped*.
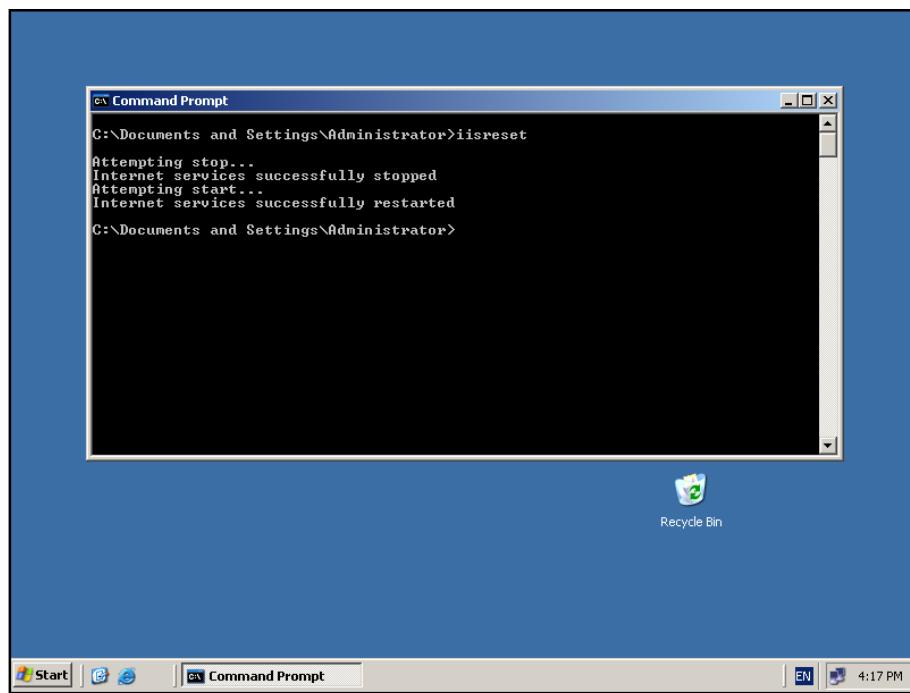
To start the *Default Web Site* simply **right mouse click** on that entry and select **Start** from the menu that appears.
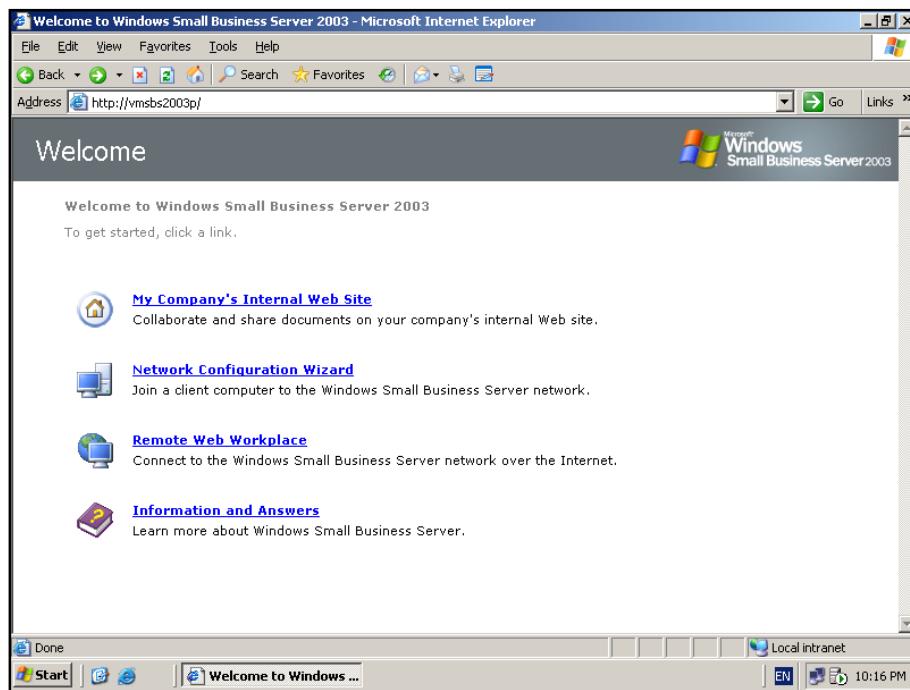
When complete you should see that all the web sites on your Small Business Server 2003 are started. Close the *Internet Information Services (IIS) Manager*.
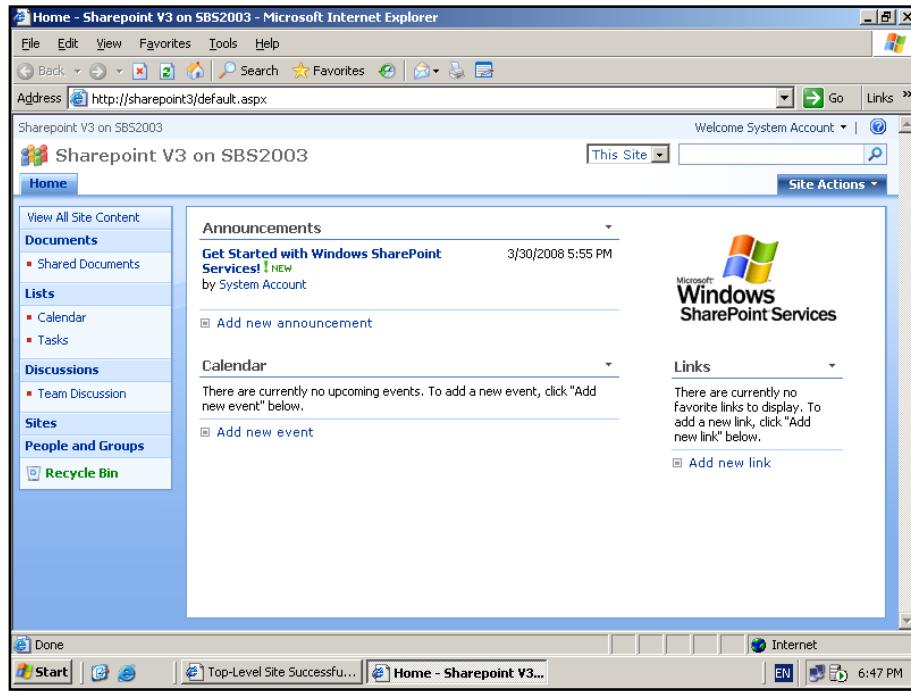
At this stage it is recommended that you restart Internet Information Services to ensure that all the sites on the Small Business Server 2003 (including the new WSS v3) work correctly. To complete the reset go to the command prompt via **Start** | **Run** | **CMD**. Then at the DOS prompt type **iisreset**. When this process is complete, close the DOS window.

If you now return to your web browser and type the name of the Small Business Server 2003 into the address line (in this case http://vmsbs2003p/) you should see the familiar Small Business Server 2003 home page as shown above.

Open a browser window and type the name of your WSS v3 site into the address line.
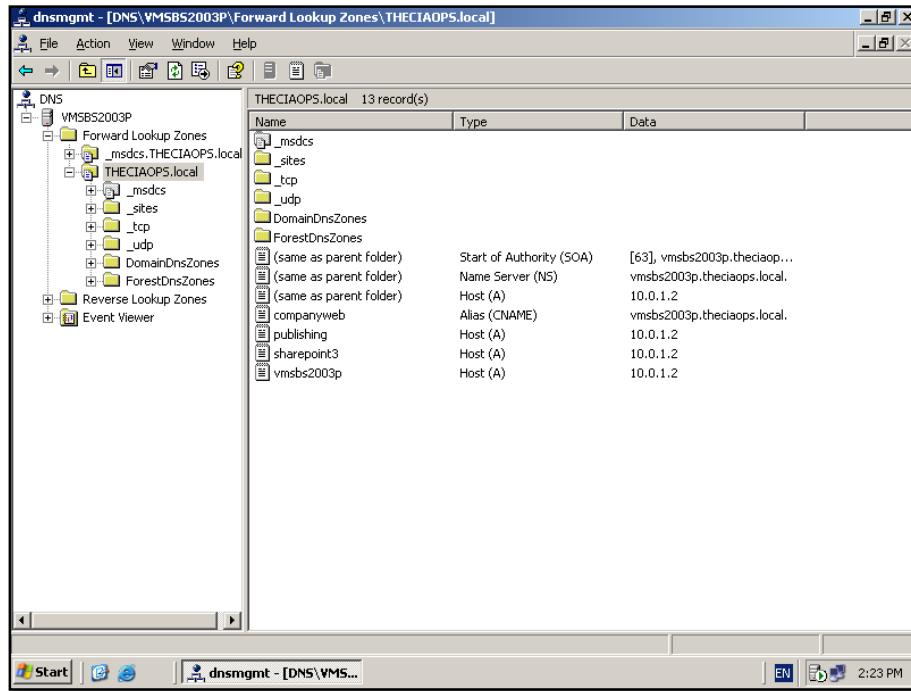
Your WSS v3 web site should now be displayed.

4.4   Replacing Companyweb
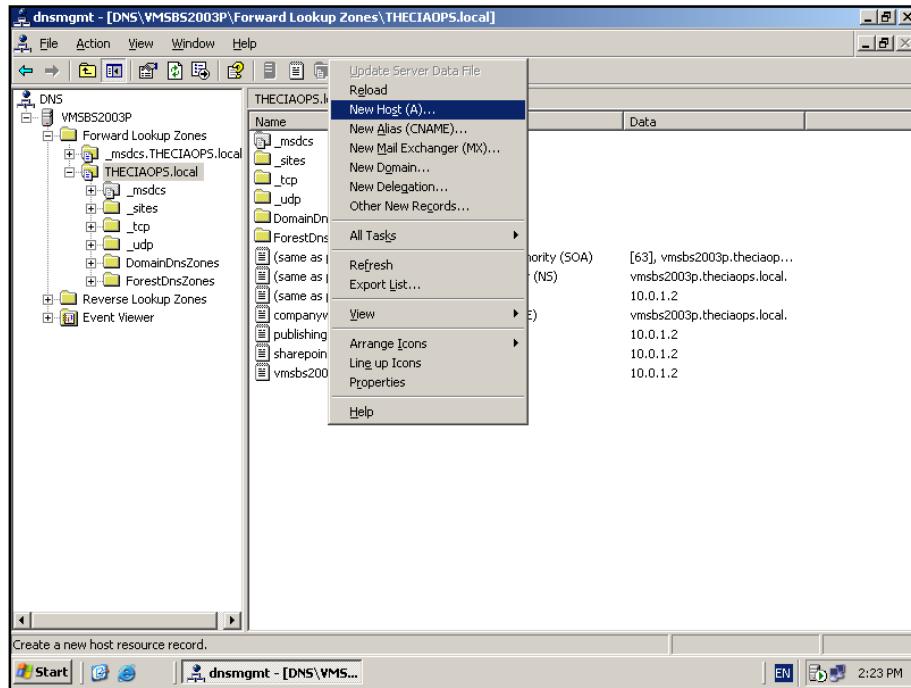
SharePoint v2 comes as an integrated component of Windows Small Business Server
2003 and is accessed via the URL http://companyweb. It is possible to install WSS v3
also on a Windows Small Business Server 2003, however it must be done in side by side
mode (see section 4.3 above).

Following the procedure illustrated here it is possible to have a WSS v3 site on a
Windows Small Business Server 2003 become http://companyweb. However, it must be
stressed that this is by no means supported by Microsoft and may result in issues arising
from future updates of Windows Small Business Server 2003. Just because it is possible
doesn't mean that you should do it!
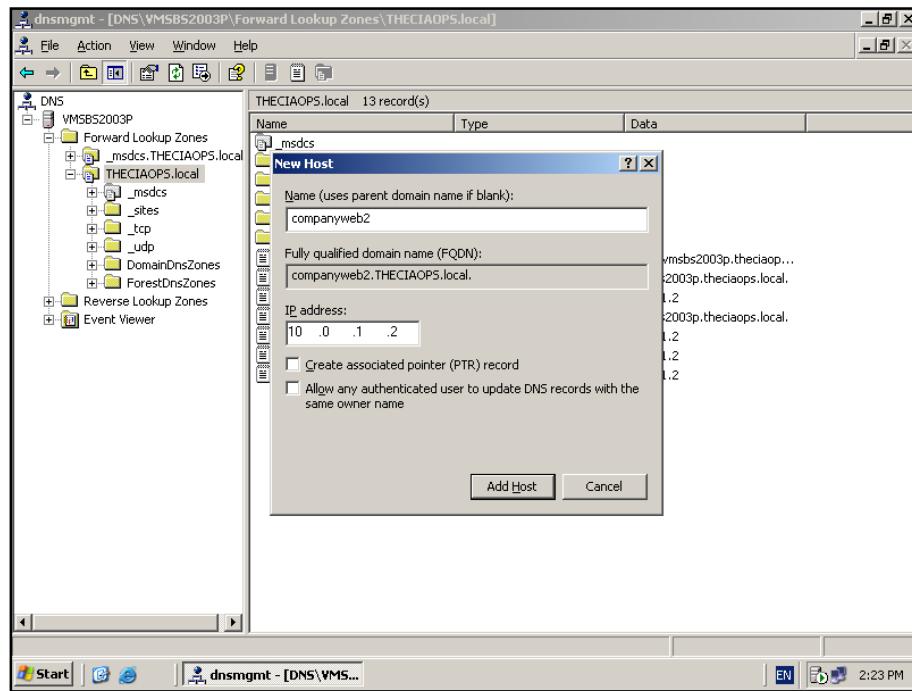
The first step in the process is to create a new DNS name entry for the existing
http://companyweb site so that it can remain active (but under a different name). To do
this, logon to the Windows Small Business Server 2003 as an administrator and select
Start | **Administrative Tools** | **DNS** to launch the *DNS Manager* console.
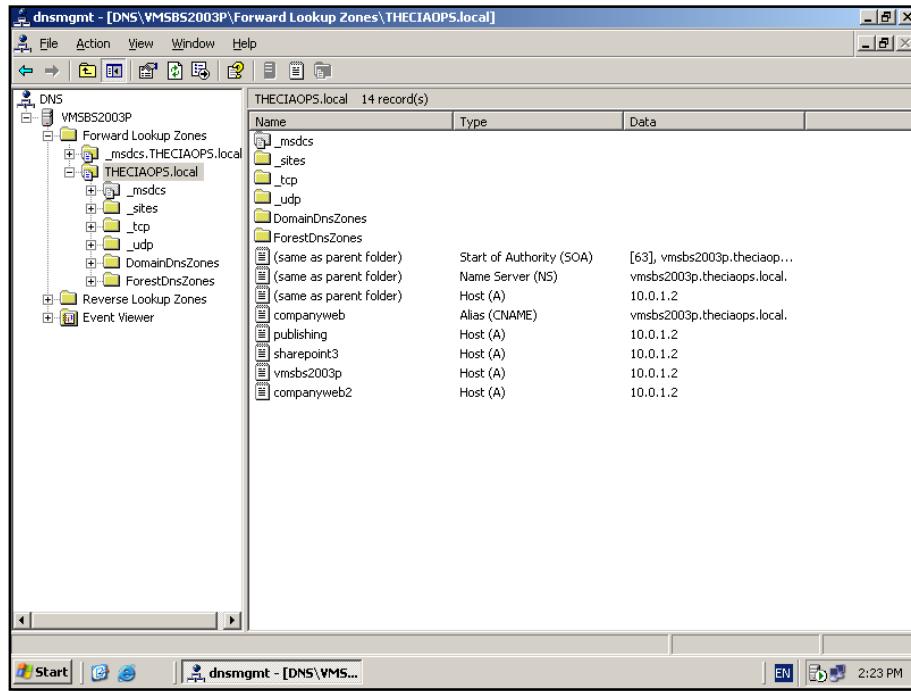
Locate your domain folder under the *Forward Lookup Zones*. **Right mouse click** in a blank area on the right where all the domain DNS entries are and select **New Host (A)** from the menu that appears.
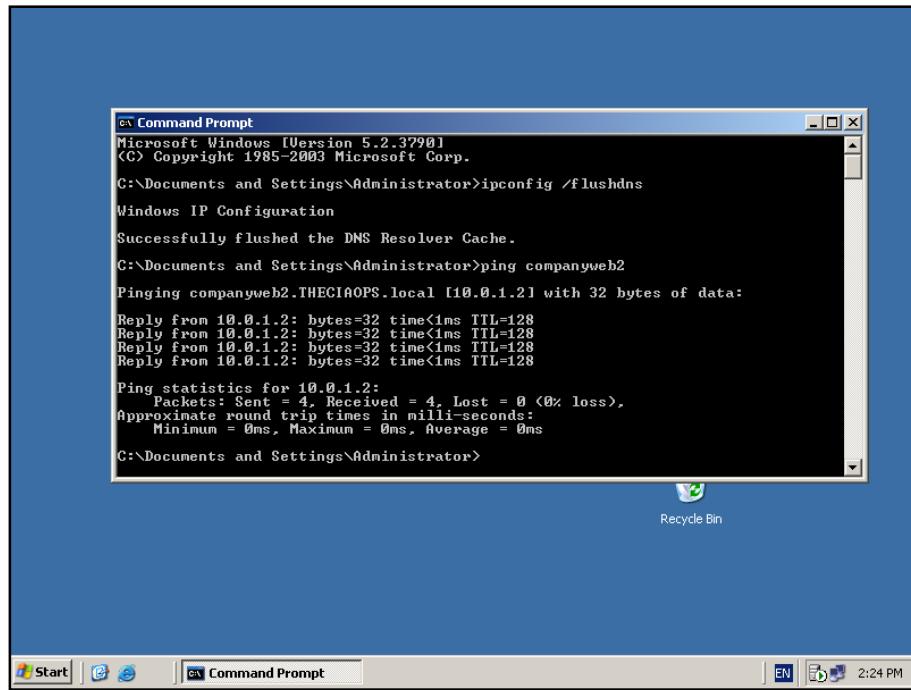
Enter the new DNS name you wish your old http://companyweb site to be known by (in this case companyweb2). Enter the IP Address as the IP address of the Windows Small Business Server 2003 machine (in this case 10.0.1.2). Next press the **Add Host** button to add the record to DNS.

You should now see the new entry listed in the DNS records for the domain as shown above. Close the *DNS Management* console.

To ensure that the DNS record you just added is working ok, run a command prompt via **Start** | **Run** | **Cmd**. Next flush the DNS cache via:
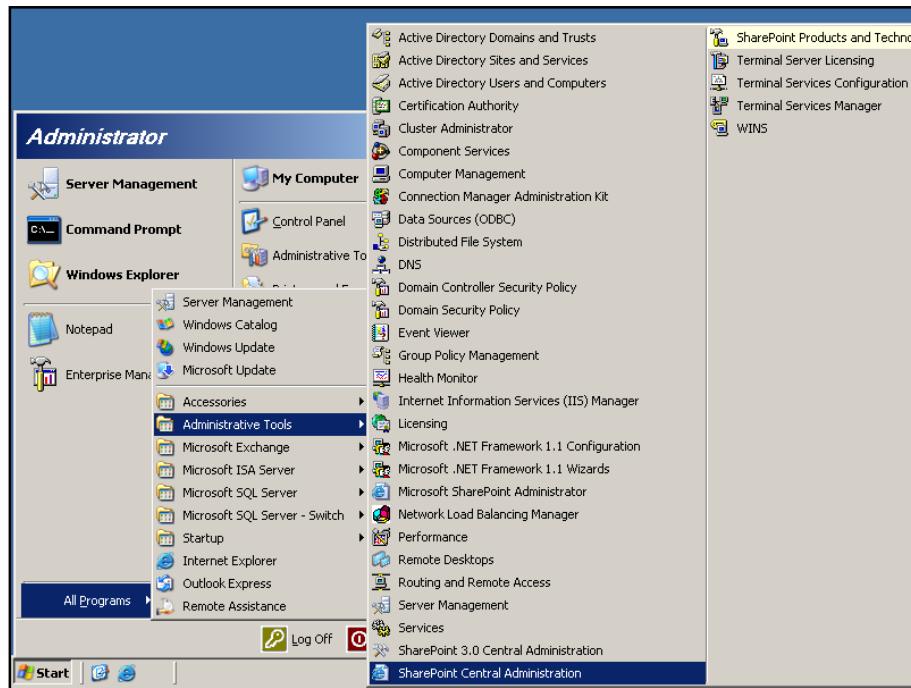
ipconfig /flushdns

Then ping the address you just created (in this case):
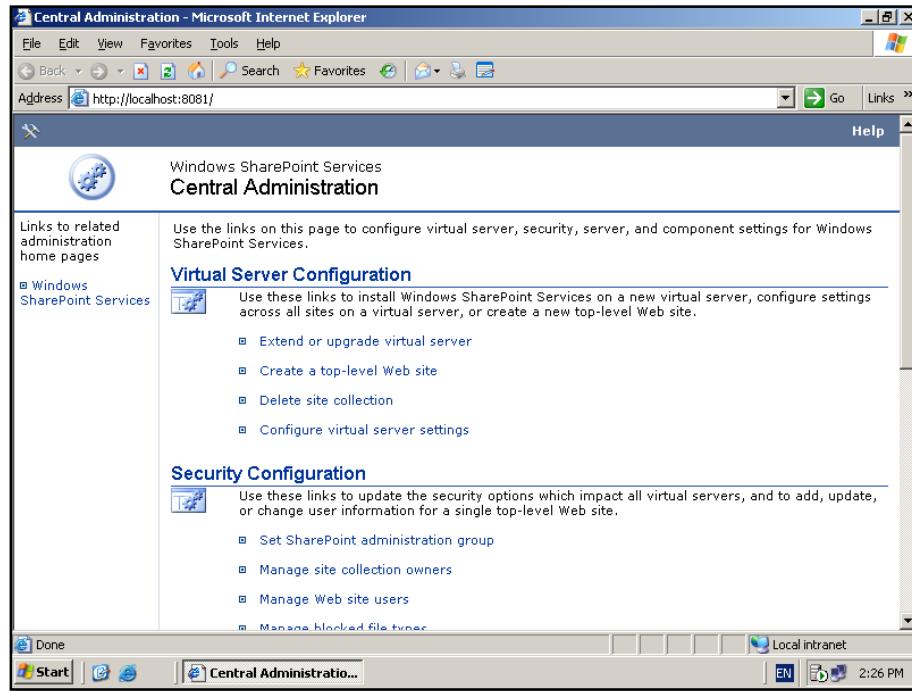
ping companyweb2

Ensure that you receive a reply like what is shown above.
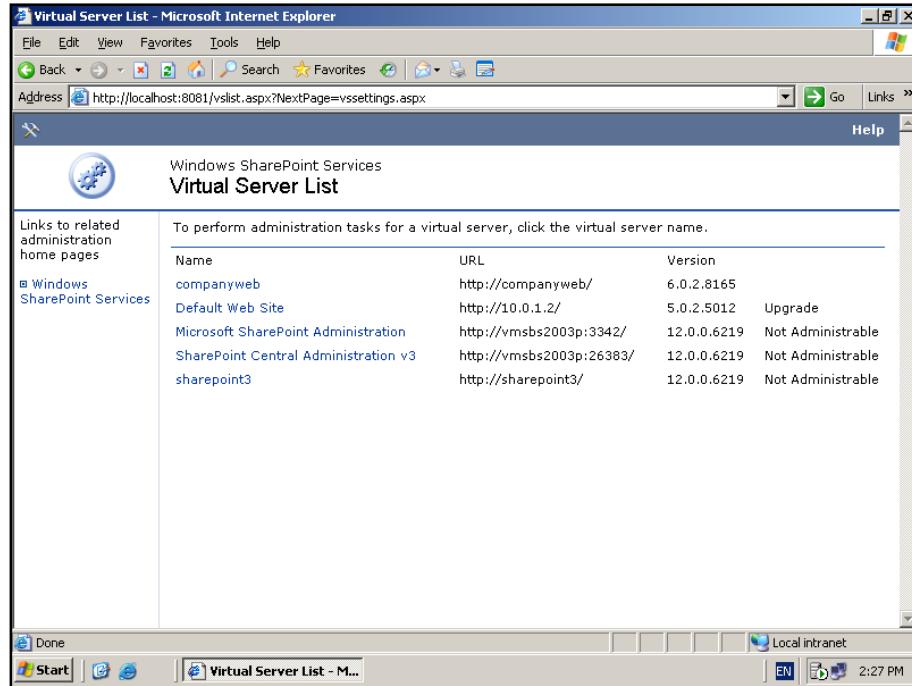
Next launch the SharePoint v2 administrator via **Start** | **Administrative Tools** | **SharePoint Central Administration** (ensure that you don't select the *SharePoint 3.0 Central Administration*).
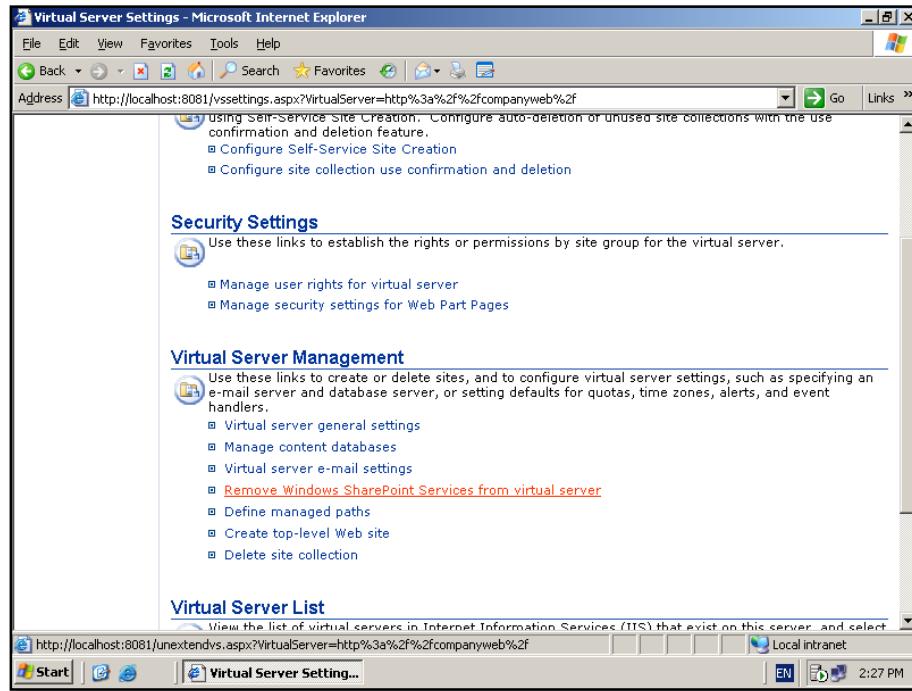
Select the option **Configure virtual server settings** under the *Virtual Server Configuration* area at the top of the page.
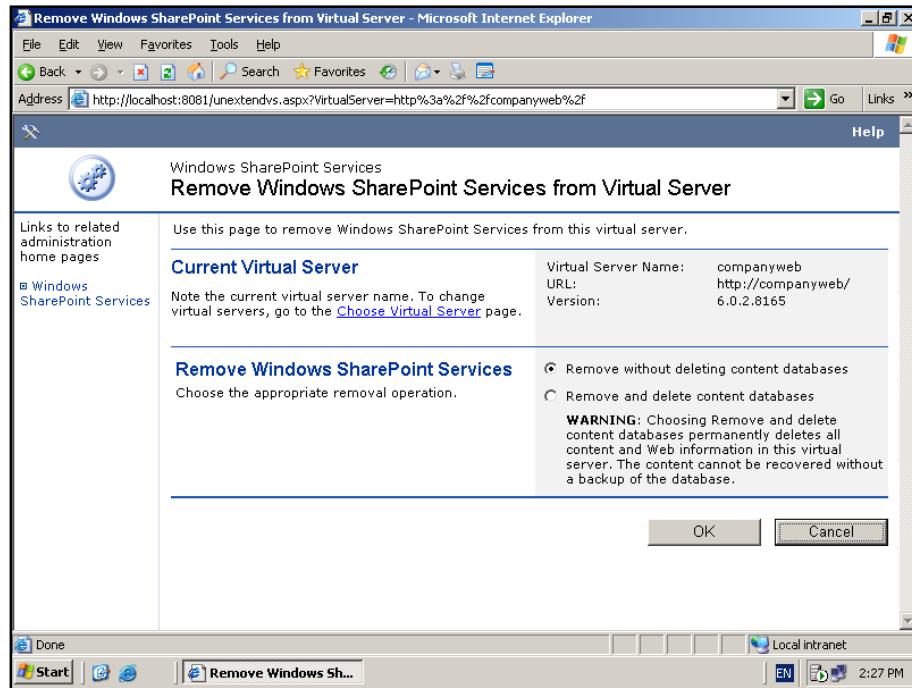
Next, select **companyweb**.
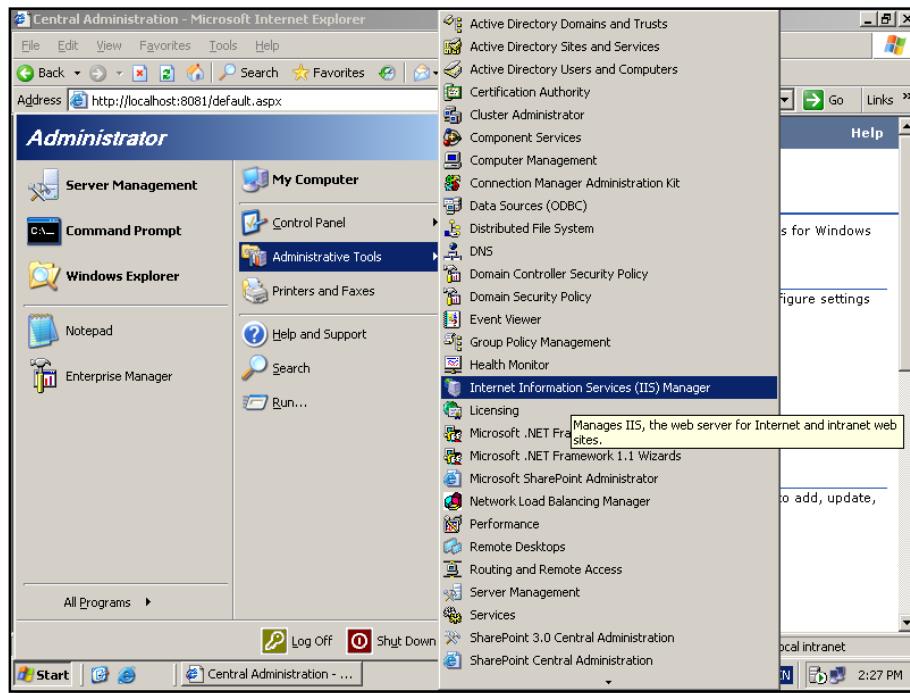
Scroll down to the *Virtual Server Management* section and select **Remove Windows SharePoint Services from virtual server**.
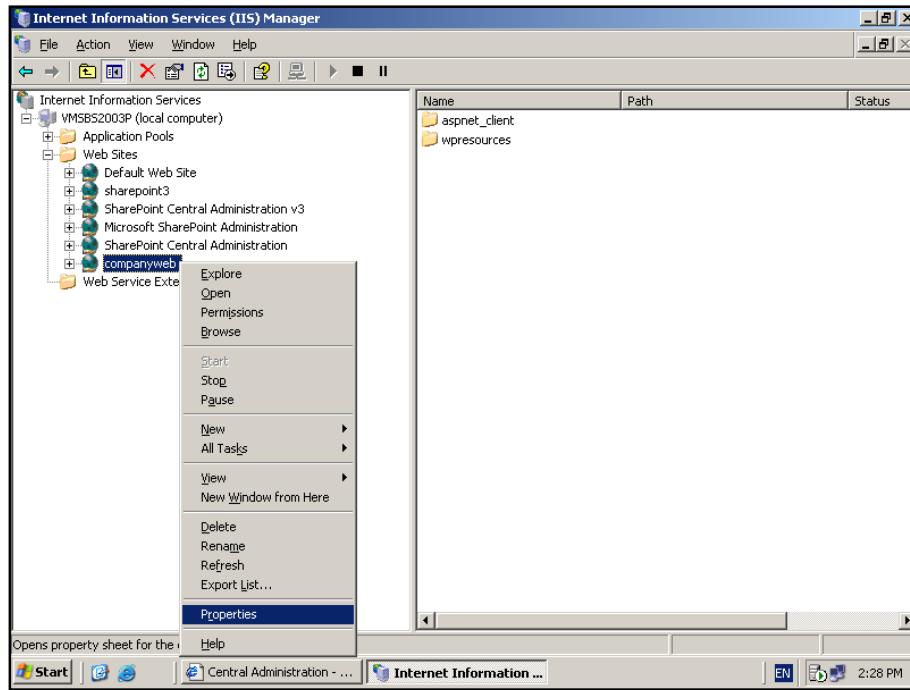
Ensure that setting *Remove without deleting content databases* is selected and press the
OK button to continue.
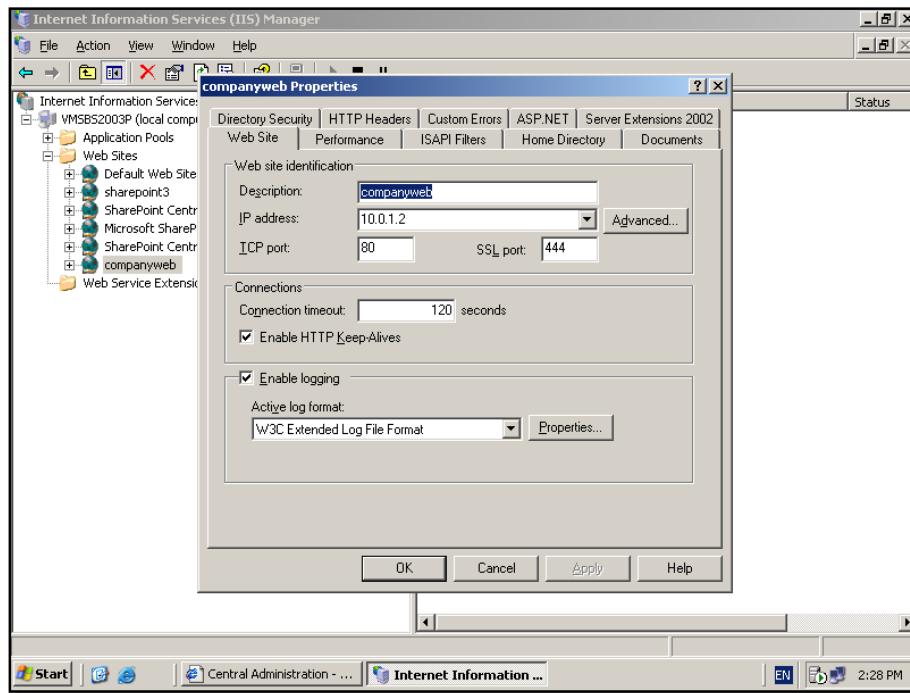
Next, launch the *Internet Information Services Manager* via **Start | Administrative Tools | Internet Information Services (IIS) Manager**.
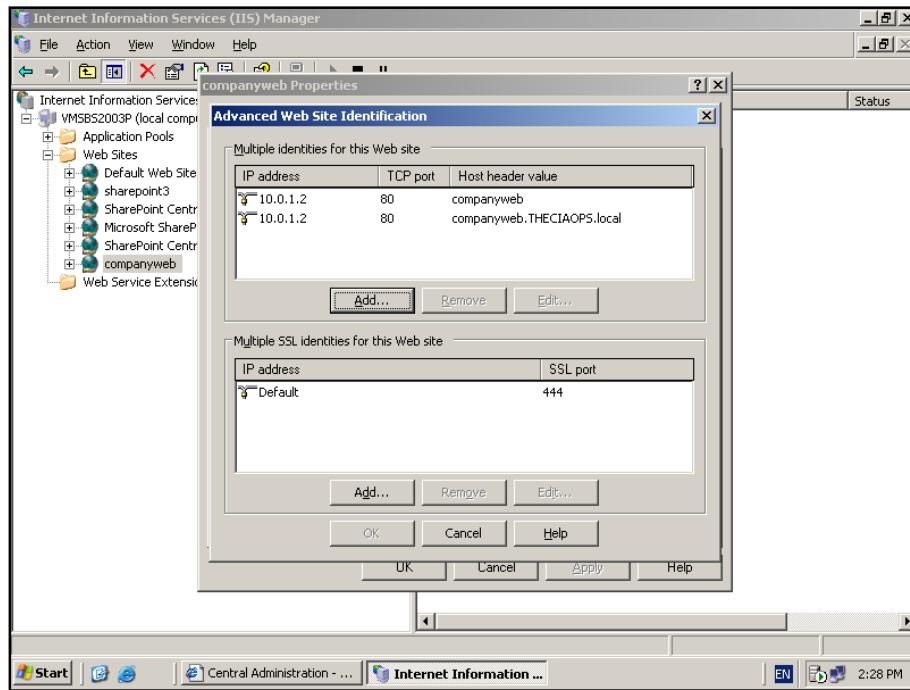
Locate the *companyweb* web site under the Web Sites folder. **Right mouse click** and select **Properties** from the menu that is displayed.
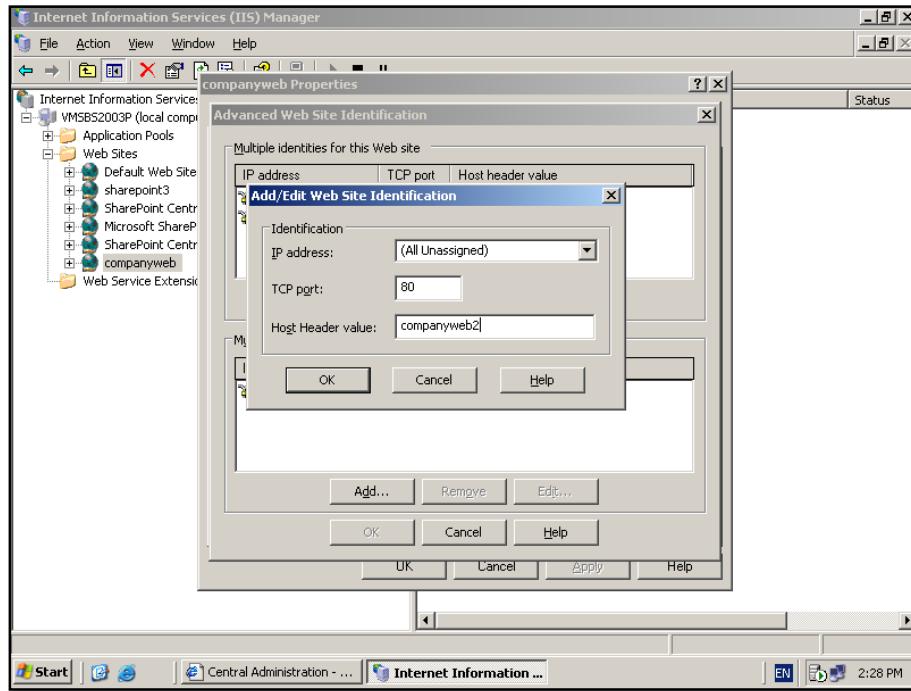
On the web site tab press the **Advanced** button to the right of the *IP address line*.

Select the **Add** button at the top of the window under the *Multiple identities for this web site* section.

Add two entries:
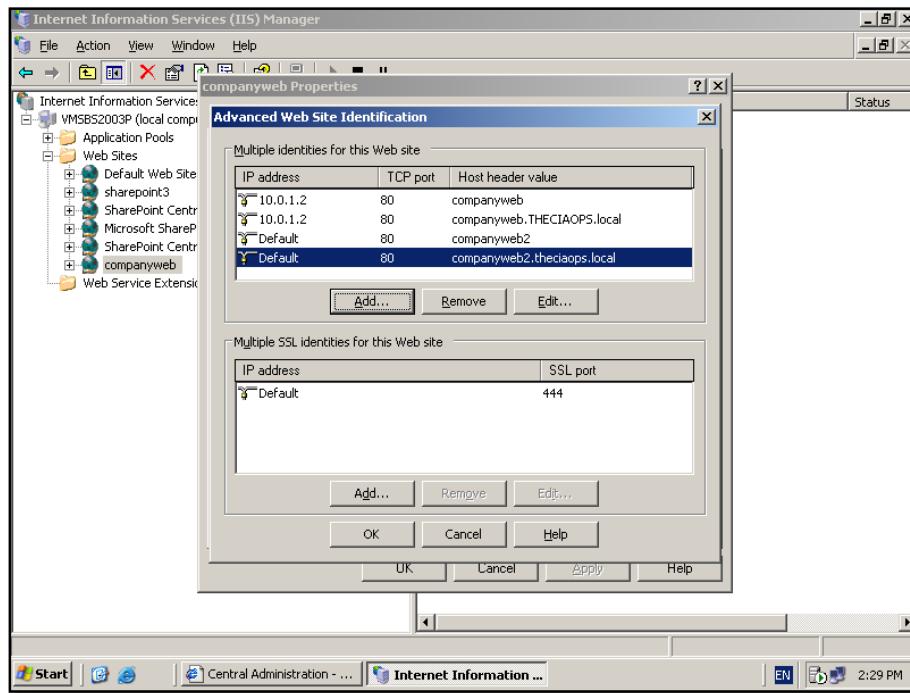
      TCP port = 80
      Host header name = companyweb2
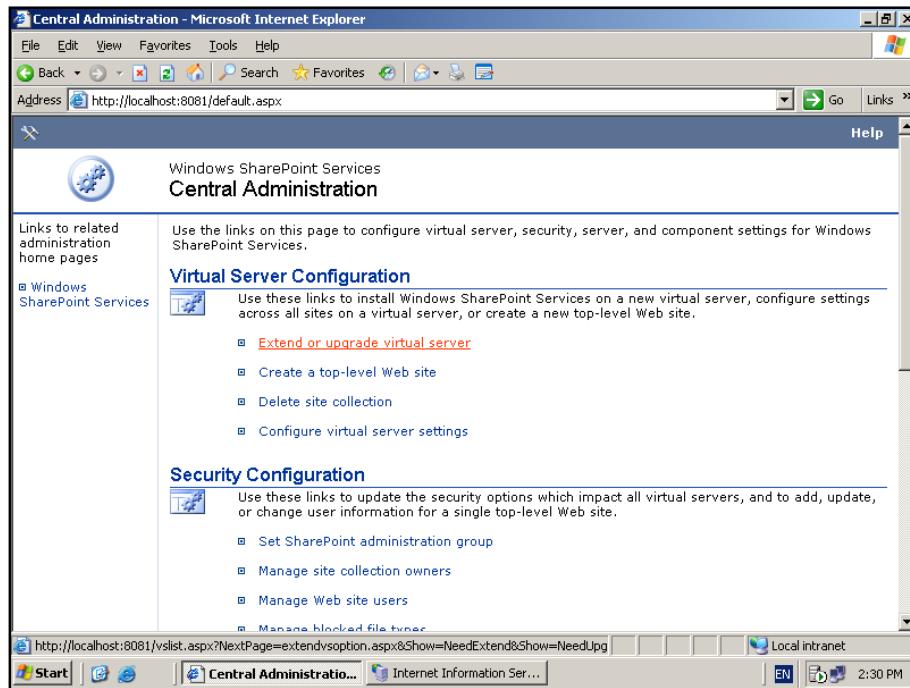
      TCP port = 80
      Host header name = companyweb2.*<your_SBS_domain>*
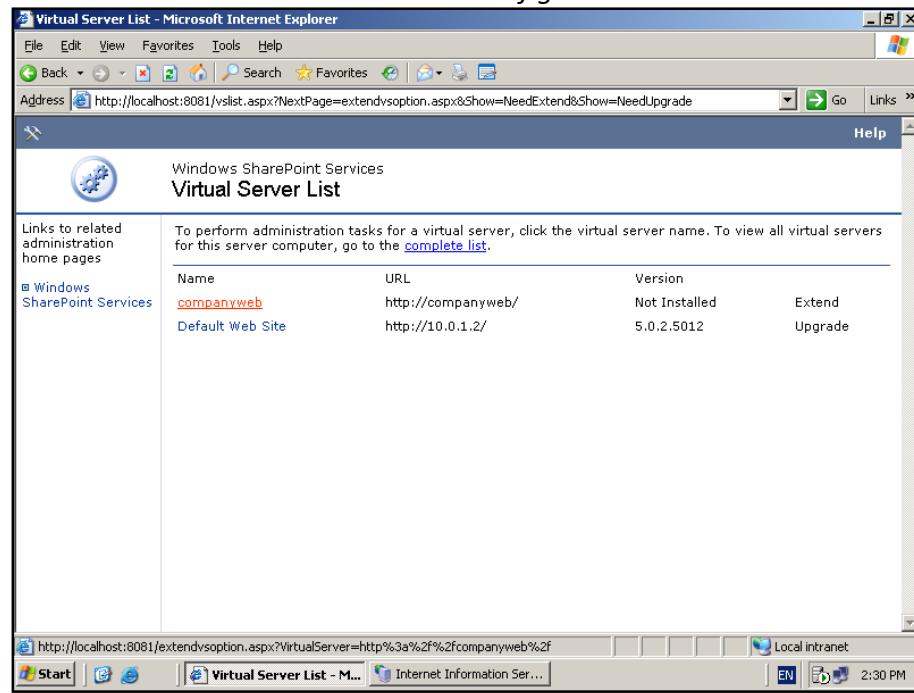
Both new entries should now appear in the top area. In this case you can see that both *companyweb2* and *companyweb2.theciaops.local* have been added. Press **OK** to close the window. Press **OK** again to close the companyweb properties page.
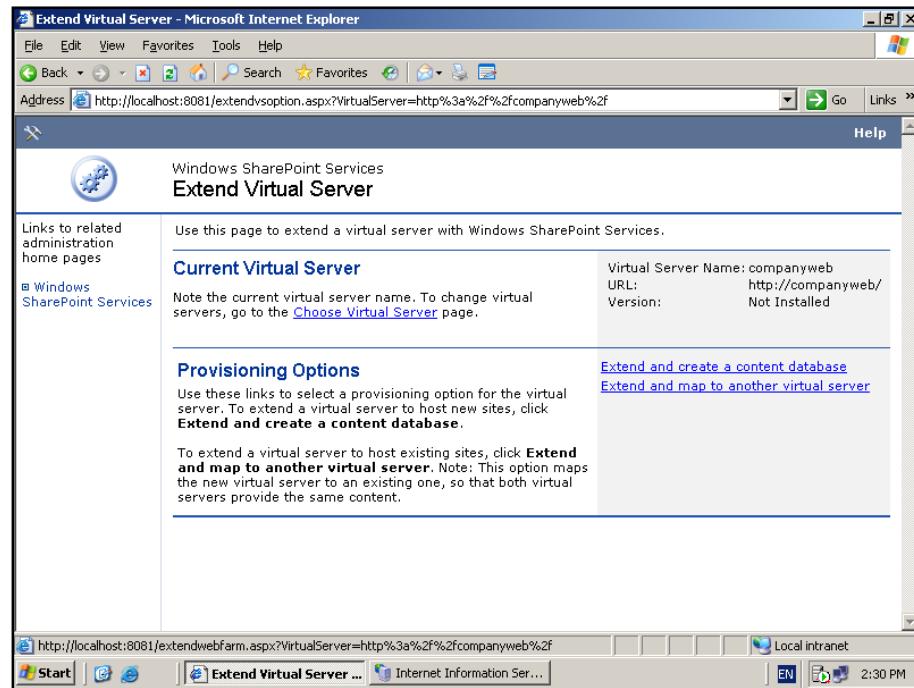
Return to the *SharePoint Central Administration* window and select **Extend or upgrade virtual server** from under the *Virtual Server Configuration* section.
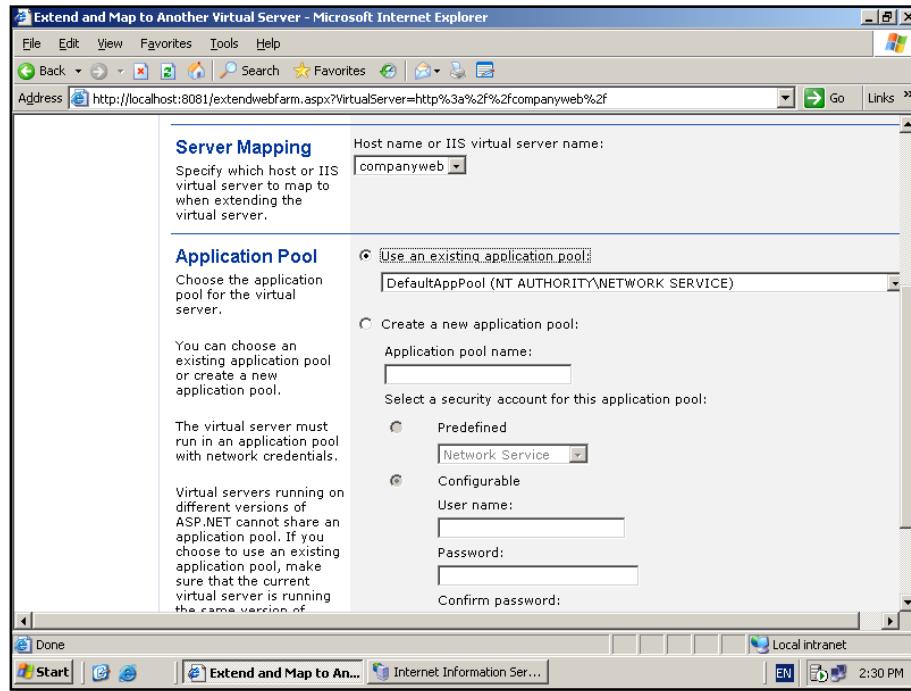
Next, select **companyweb**.
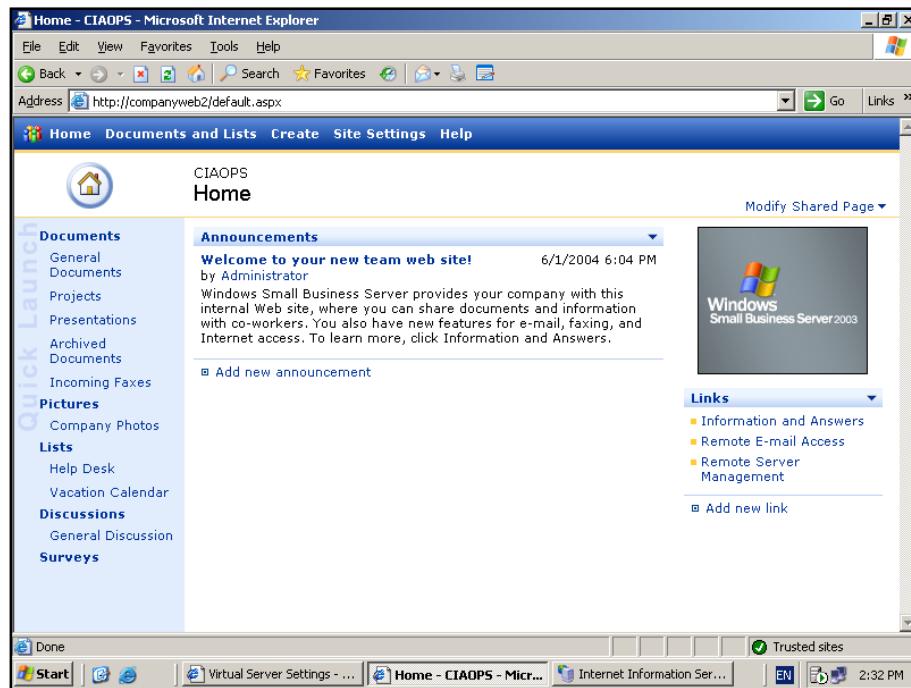
Now, select the option **Extend and map to another virtual server**.
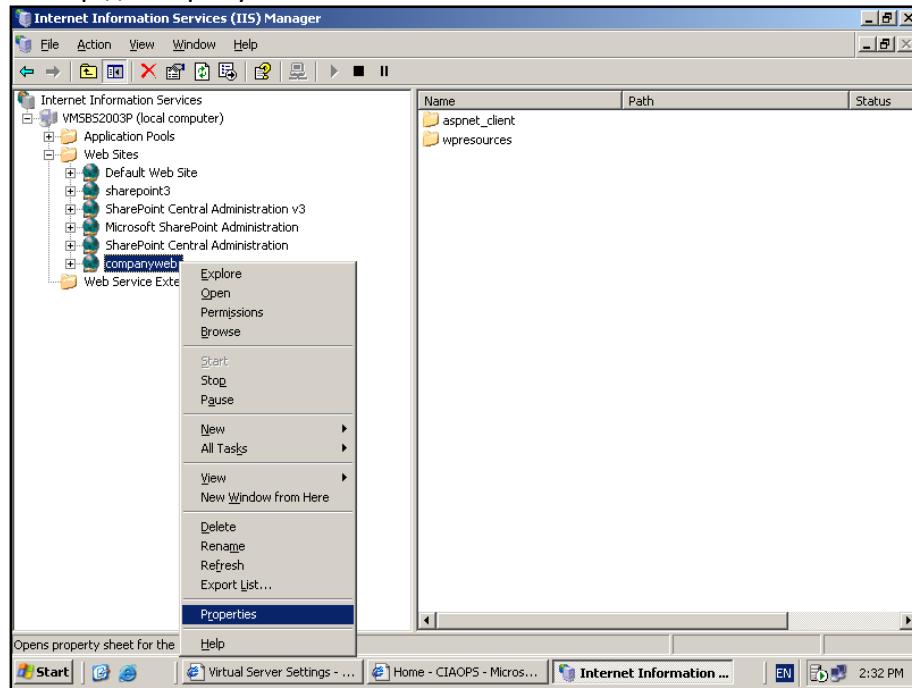
Change the options to *Use an existing application pool* and select the *DefaultAppPool* and press the **OK** button at the bottom of the screen.
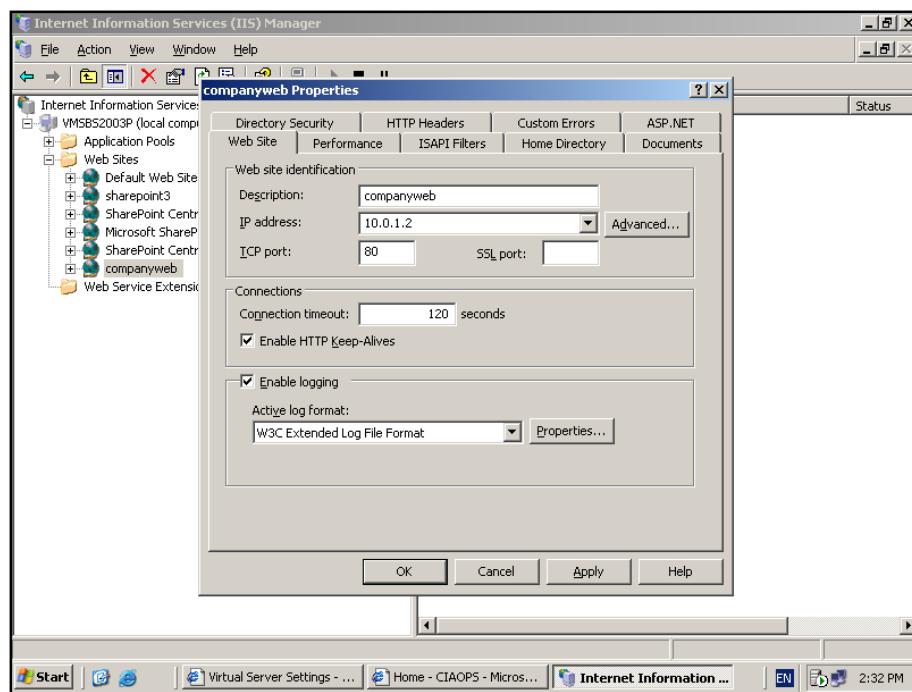
You should now open a browser window and check that you can access the renamed site (in this case http://companyweb2). You should also check that you can access the old site via http://companyweb still.
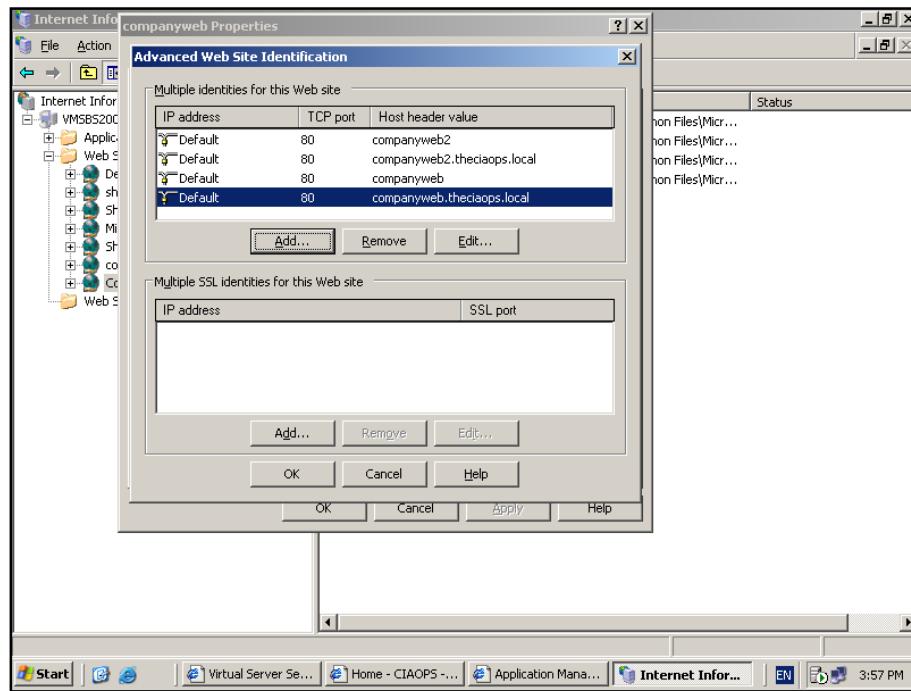
Return to the *IIS manager*, **right mouse click** on the *companyweb* web site and select **Properties** from the menu that appears.
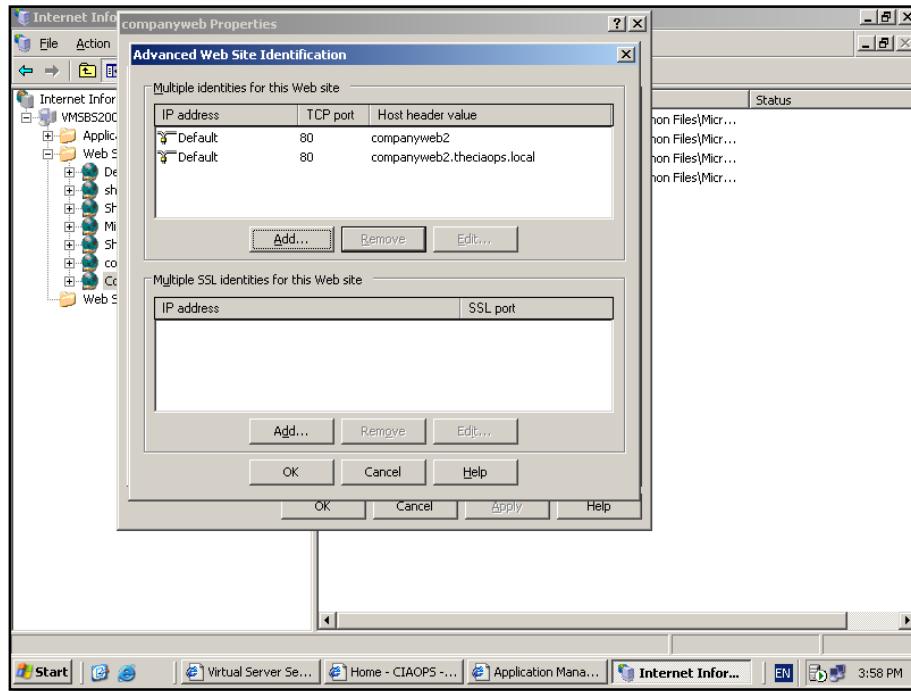
In the web site tab remove the value in *SSL port* and then press the **Advanced** button just above this field.
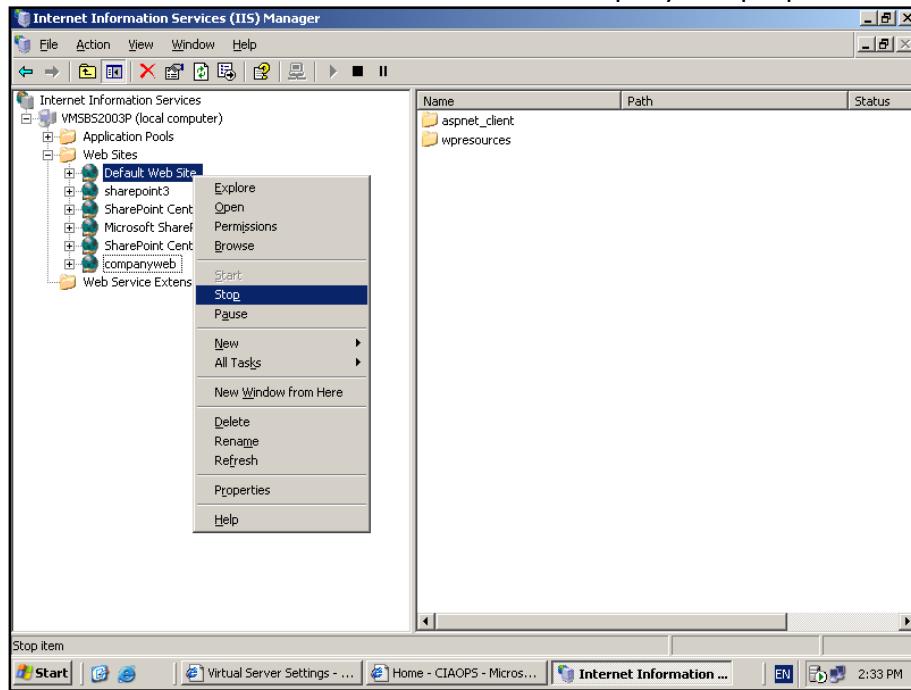
Select the entry for *companyweb* and press the **Remove** button. Also remove the entry for *companyweb.<your_sbs_domain>* (in this case companyweb.theciaops.local).
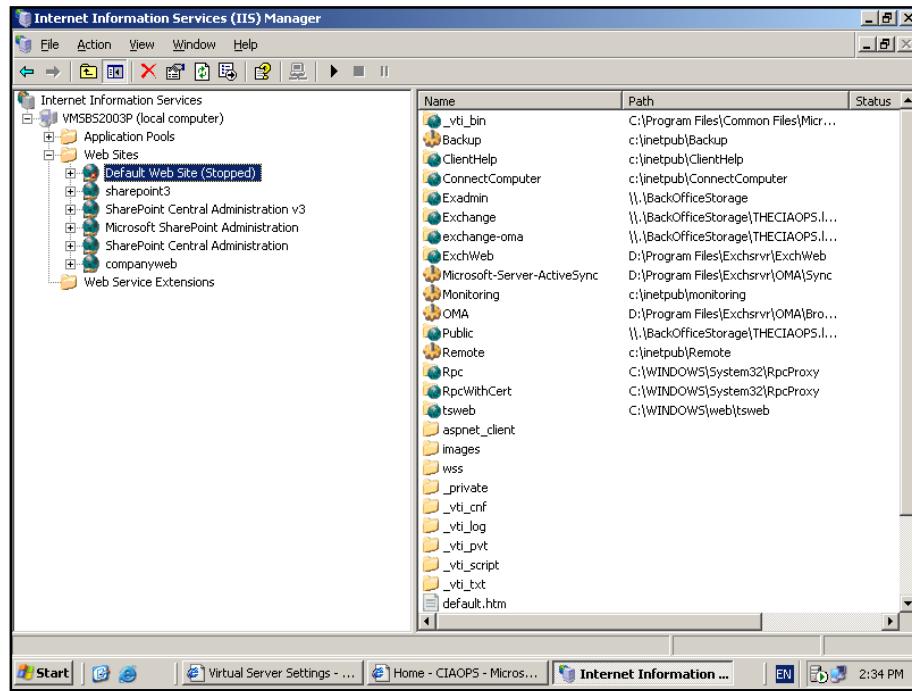
When complete the only remaining entries should be for *companyweb2* as shown
above. Press **OK** to continue. Press **OK** to close the companyweb properties window.
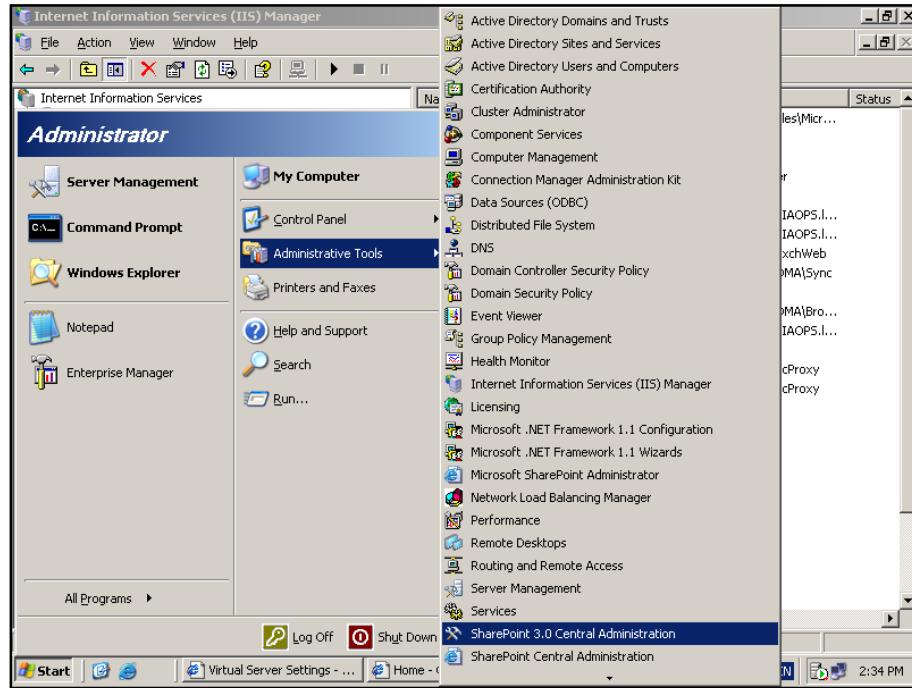
It is recommended that you now stop the default web site to prevent issues. To do this
simply **right mouse click** on *Default Web Site* and select **Stop** from the menu that
appears.
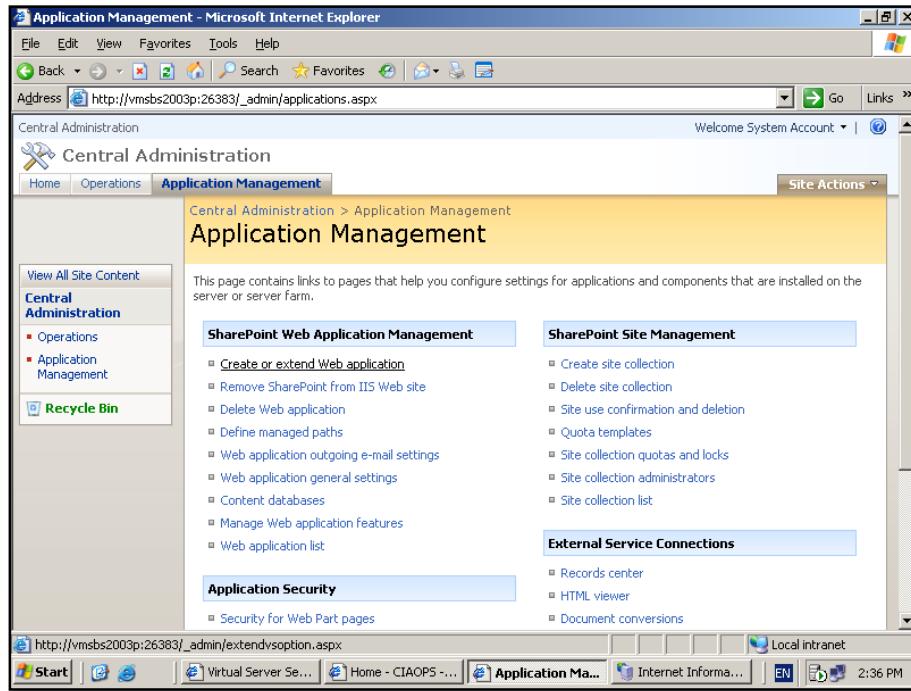
When complete you should see the word *Stopped* next to the default web site.
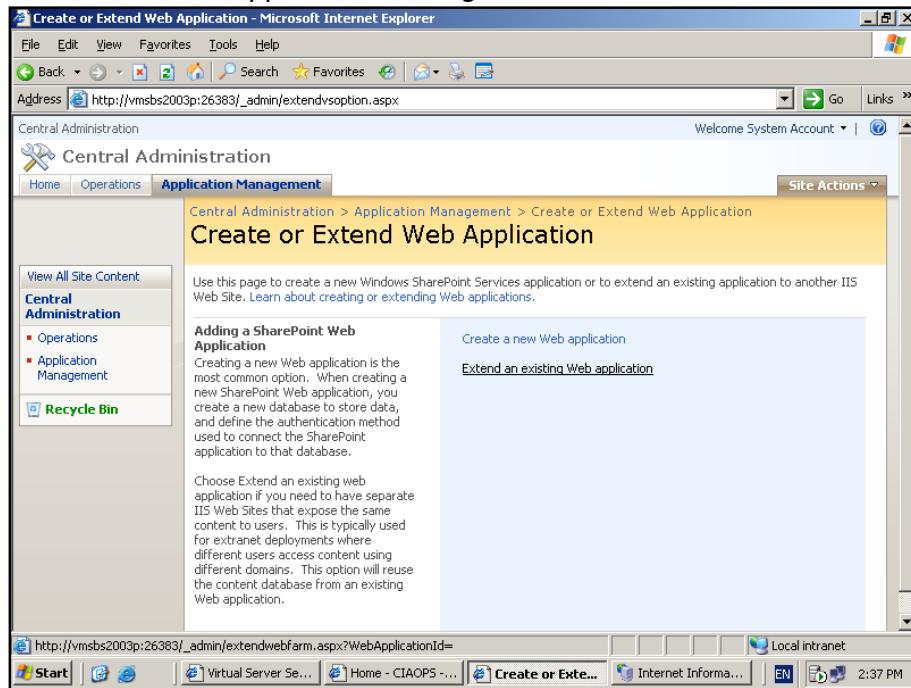
Now run the *SharePoint 3.0 Central Administration* via **Start** | **Administrative Tools** | **SharePoint 3.0 Central Administration**.
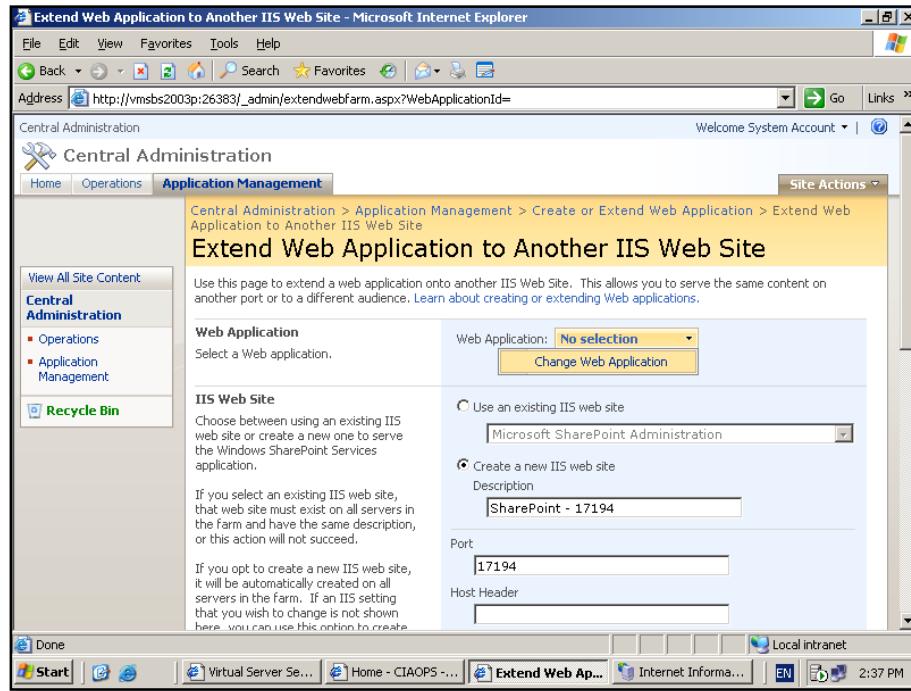
Go to the *Application Management* tab and select *Create or extend web application* from the *SharePoint Web Application Management* section.
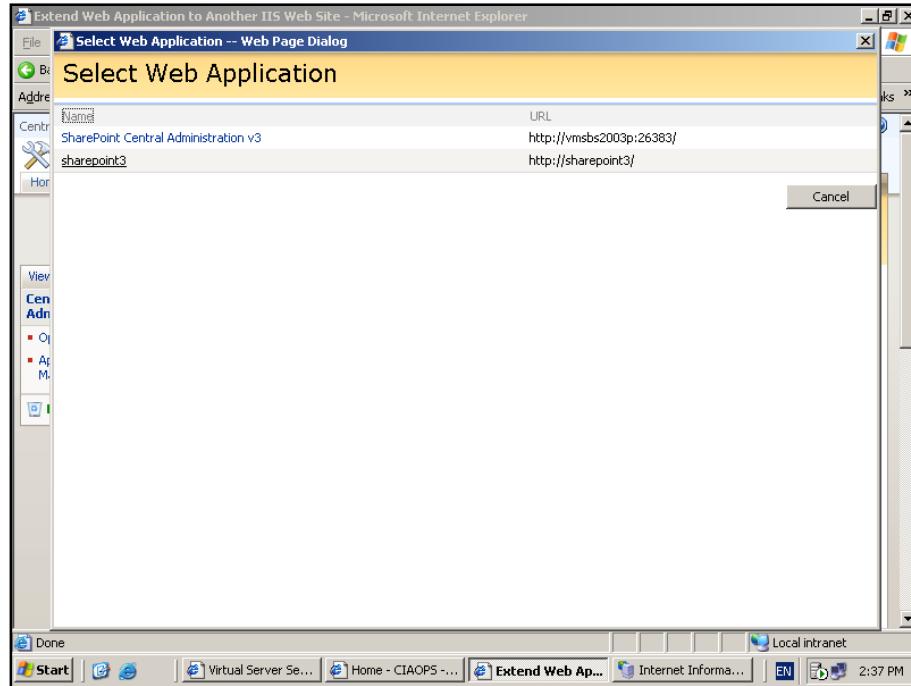

Select the option to **Extend an existing Web application**.
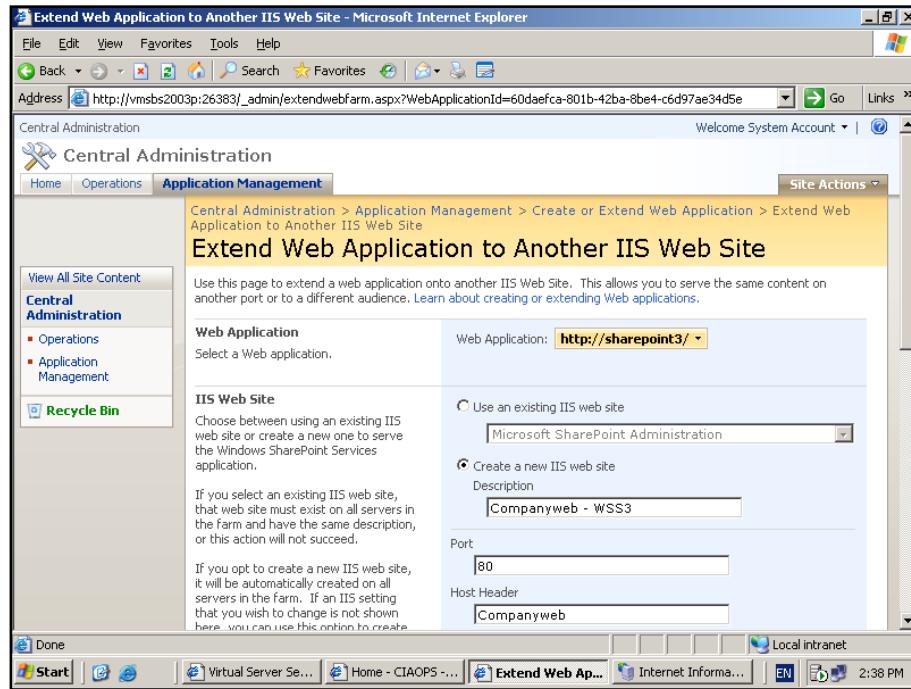
Under the web application ensure that you change it to your existing WSS v3 site. To do this, simply click on the words *No Selection* and select **Change Web Application** from the menu that appears.
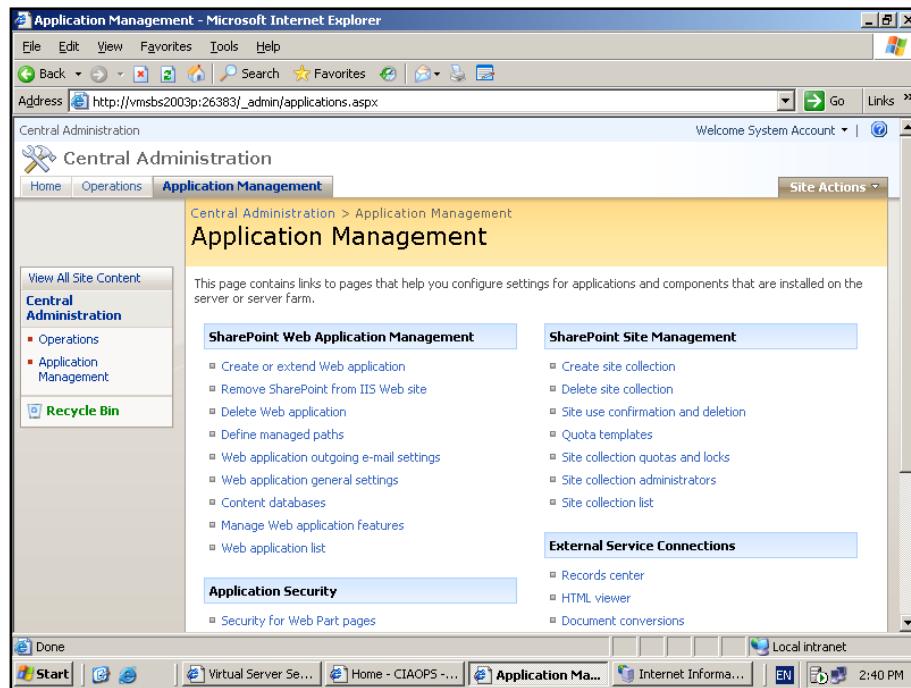

Next, select you existing WSS v3 installation (in this case Sharepoint3).
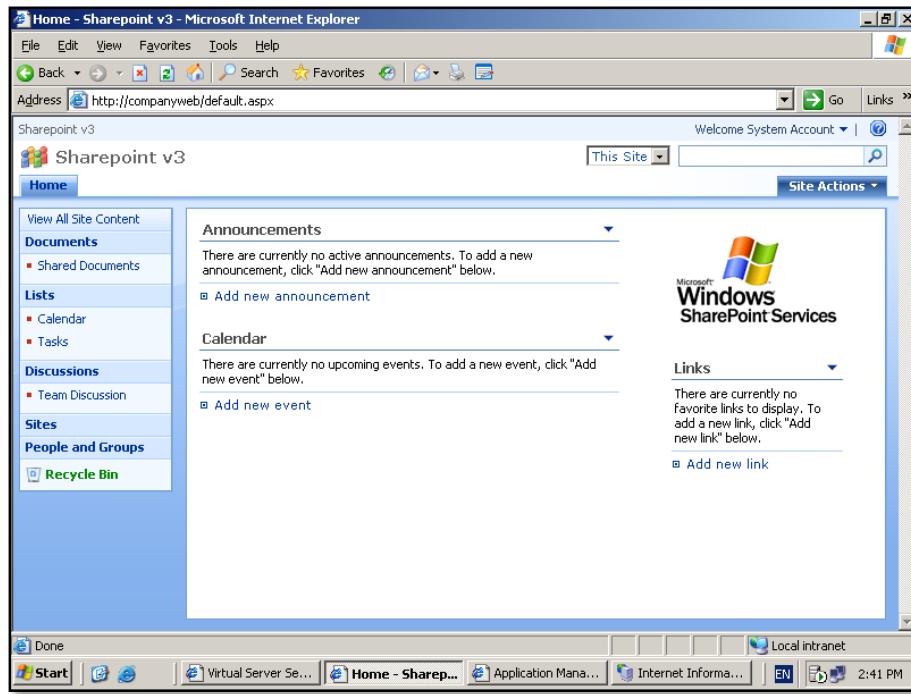
Set the option to *Create a new IIS Site* and provide a descriptive name. Set the port as 80 and the host header as companyweb. Scroll down the screen and press the **OK** button to continue.
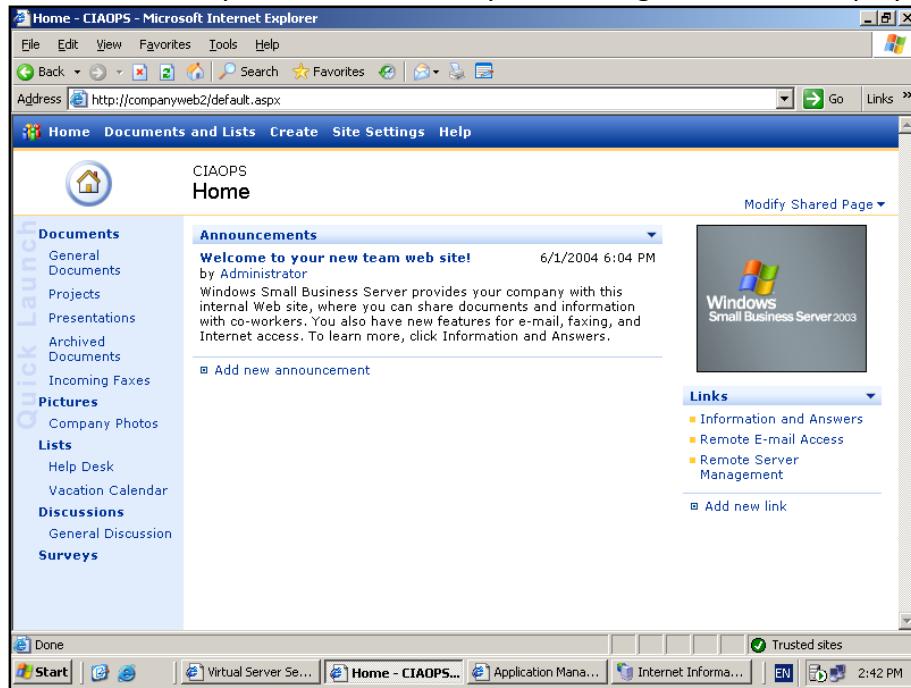
Upon successful completion of the new site you will be returned to the *Application Management* page. Open a browser window and enter http://companyweb into the address line.
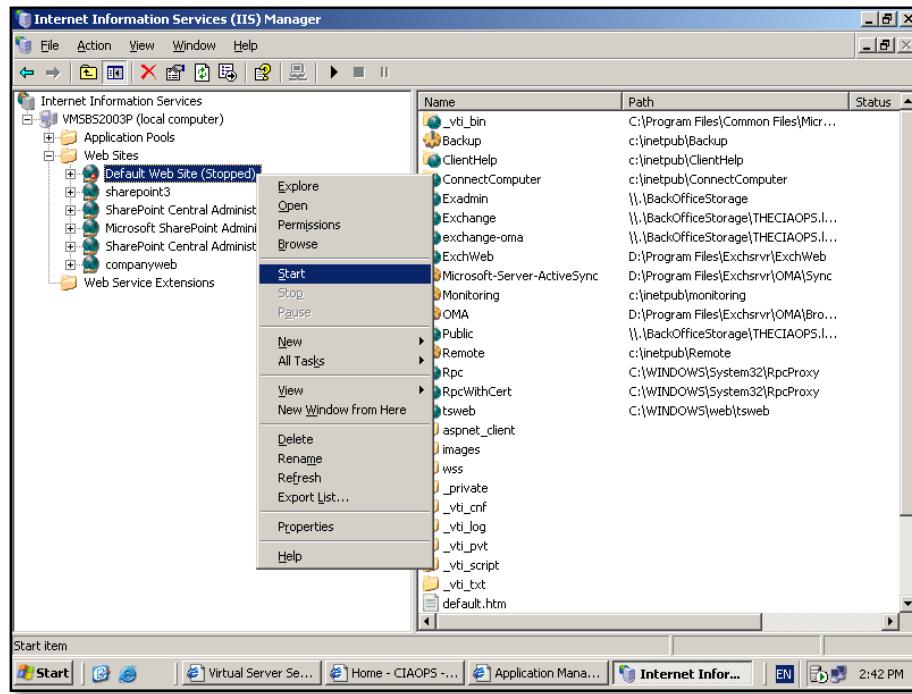
If all has been successful you should now see your existing WSS v3 site displayed.
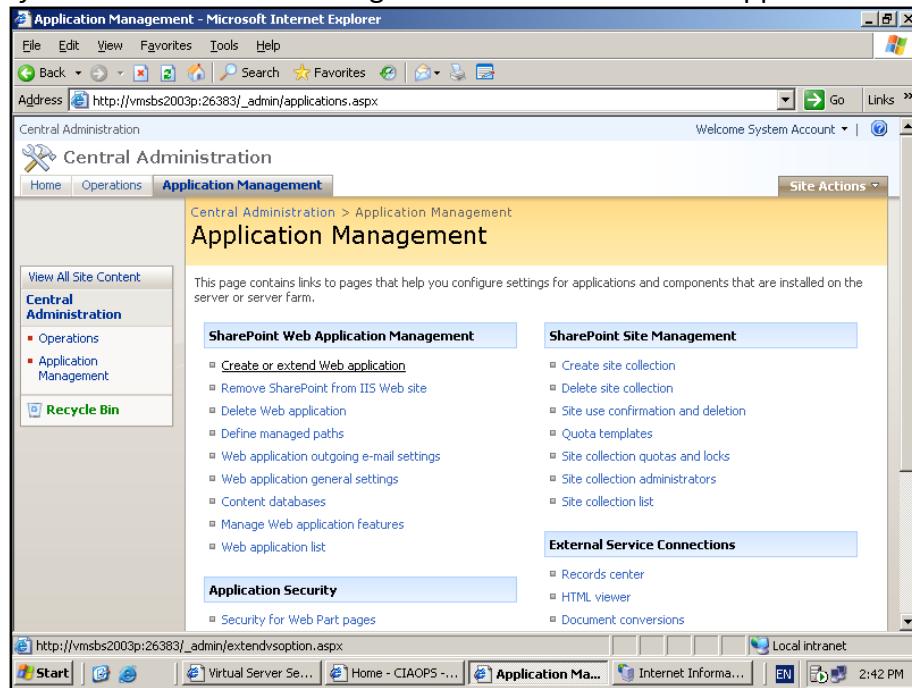
Check that your old Companyweb site is still functioning under its new URL. Type the address you set up previously into the browser (in this case http://companyweb2) and the old Sharepoint site should be displayed.
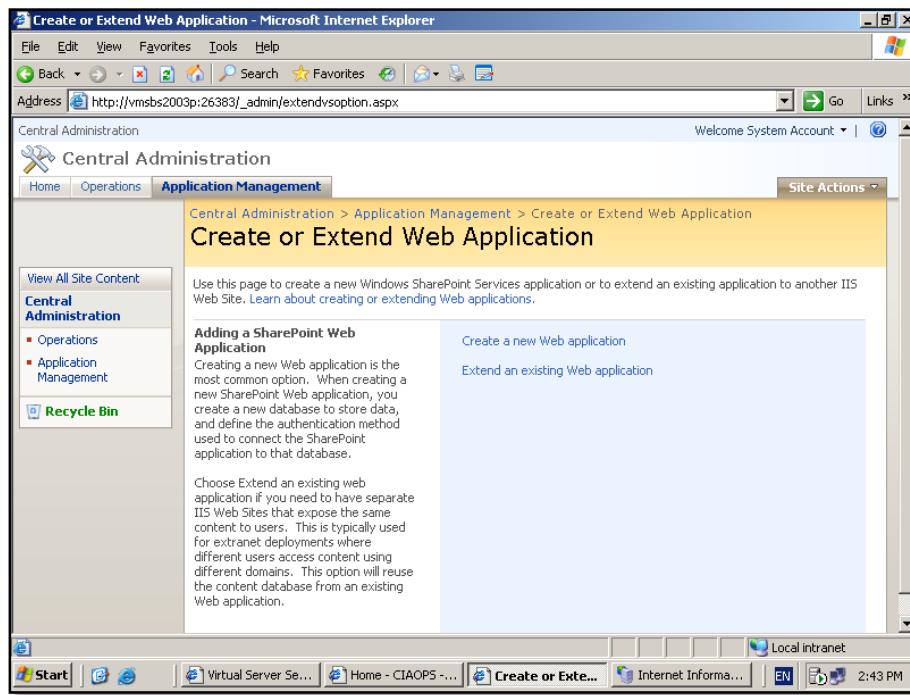

Finally, restart the default web site by returning to the *IIS Manager*, **right mouse clicking** on the *Default Web Site* and selecting **Start** from the menu that appears.
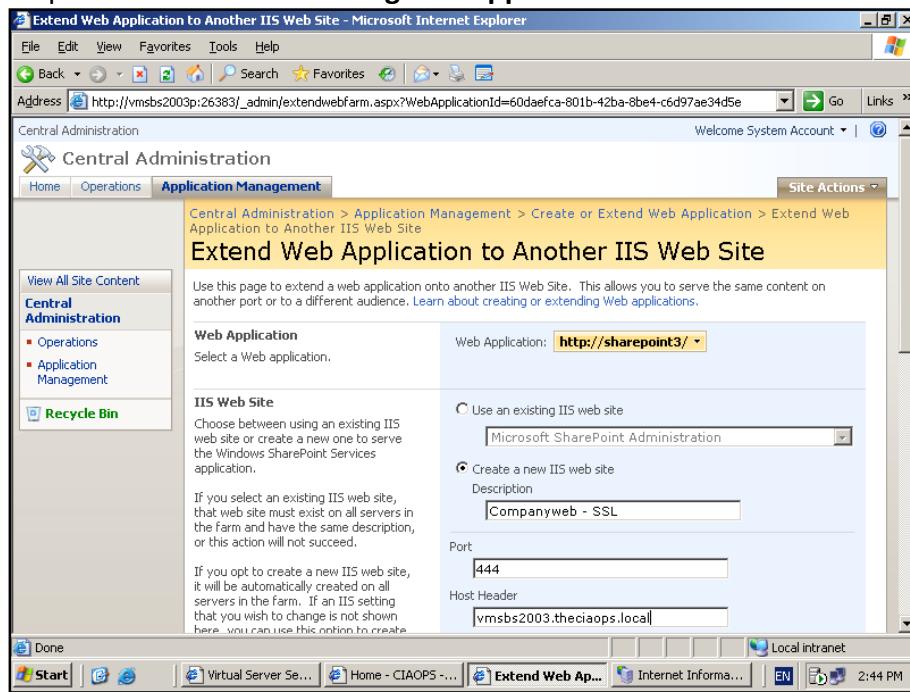

Return to the *WSS v3 Central Administration* and select the *Application Management* tab again. From here select **Create or Extend Web application** from the *SharePoint Web Application Management* section.
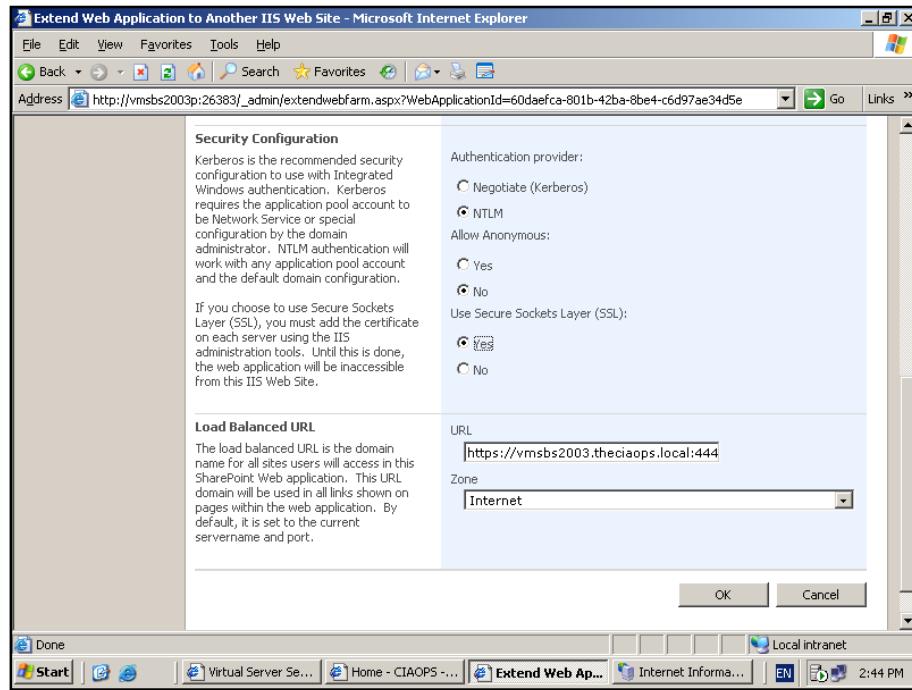

Select the option to **Extend an existing web application**.
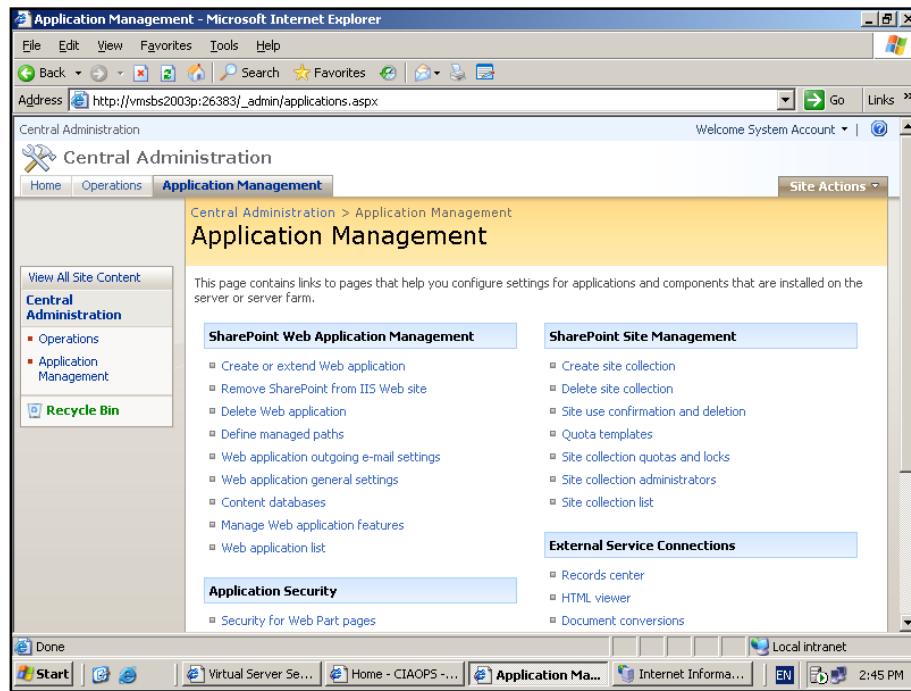
Ensure that your WSS v3 site is selected as the Web Application. Select to *Create a new IIS web site* and provide a meaningful description. Enter the port as 444 and the host header as the external name of your Windows Small Business Server (for example mail.domain.com, here the full internal name of the server has been used). Scroll down the screen for more options.
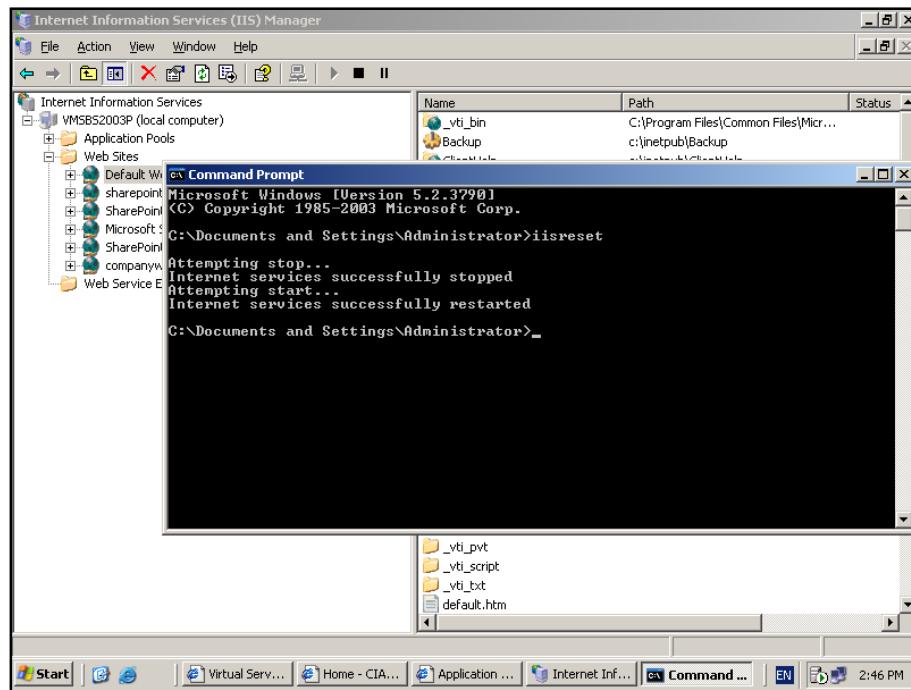

Select the option to *Use Secure Sockets layer (SSL)* and set the Zone to Internet. Press **OK** to complete.
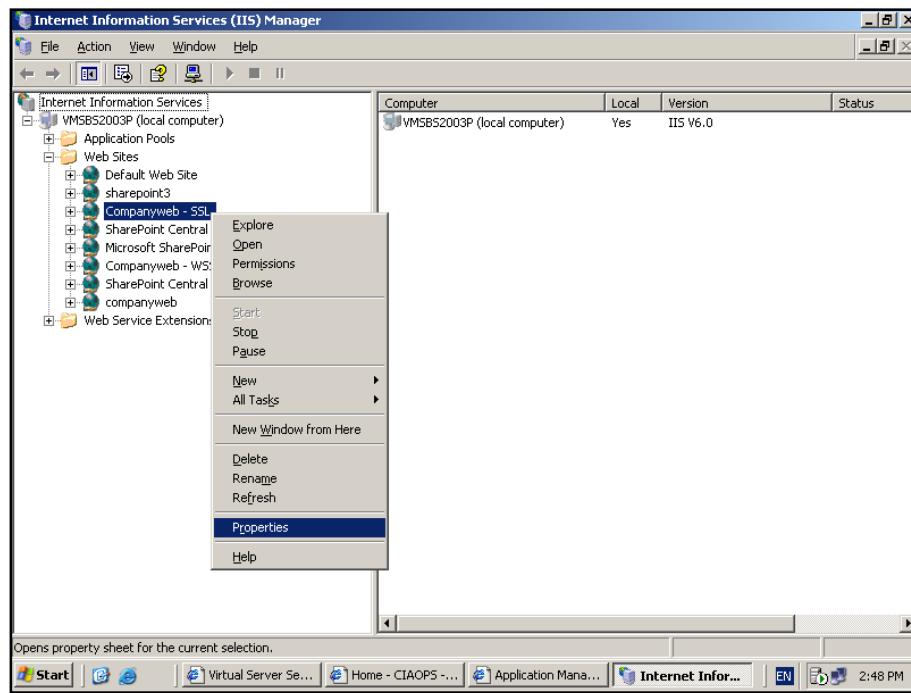
Upon successful site creation you will be returned to the *Application Management* tab of the WSS v3 Central Administration.
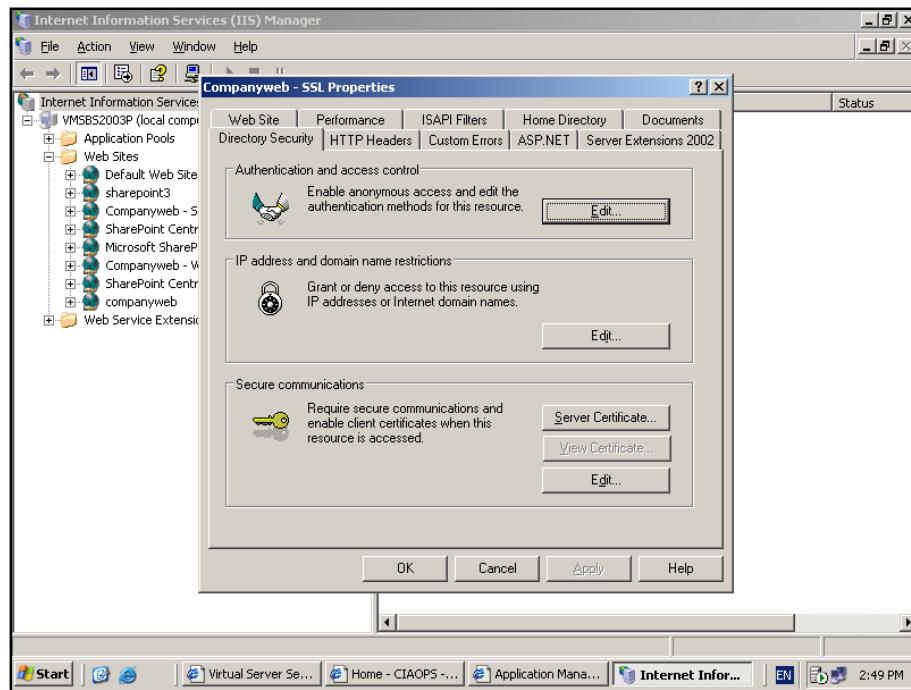
Complete a reset of the web server by going to the command prompt (**Start | Run | CMD**) and running **iisreset**.
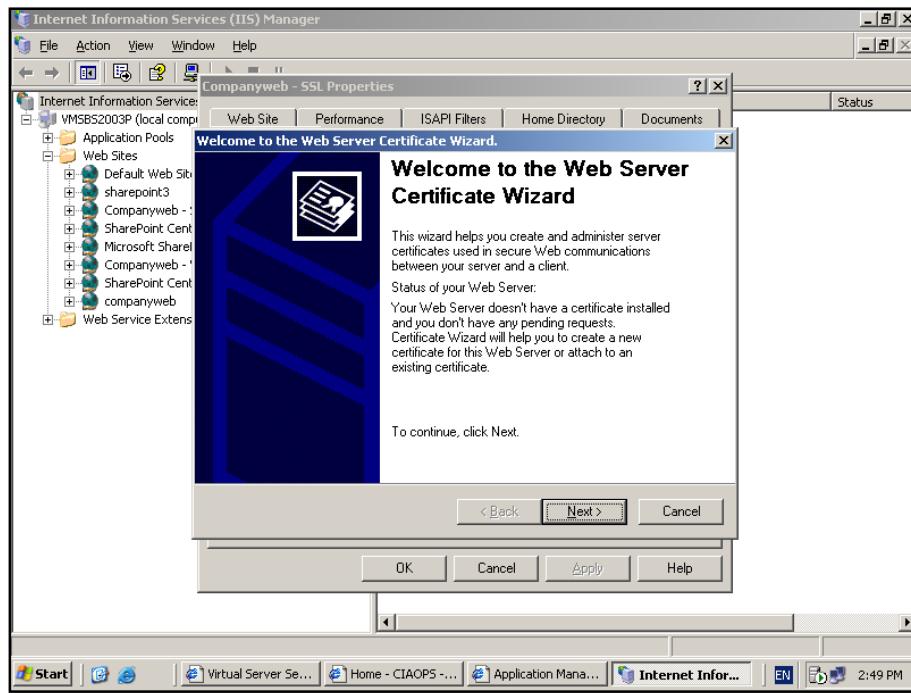
Return to the *IIS manager* and locate the new SSL web site you just created (in this case Companyweb – SSL). **Right mouse click** on the site and select **Properties** from the menu that appears.

Select the *Directory security* tab and then the *Server Certificate* button.
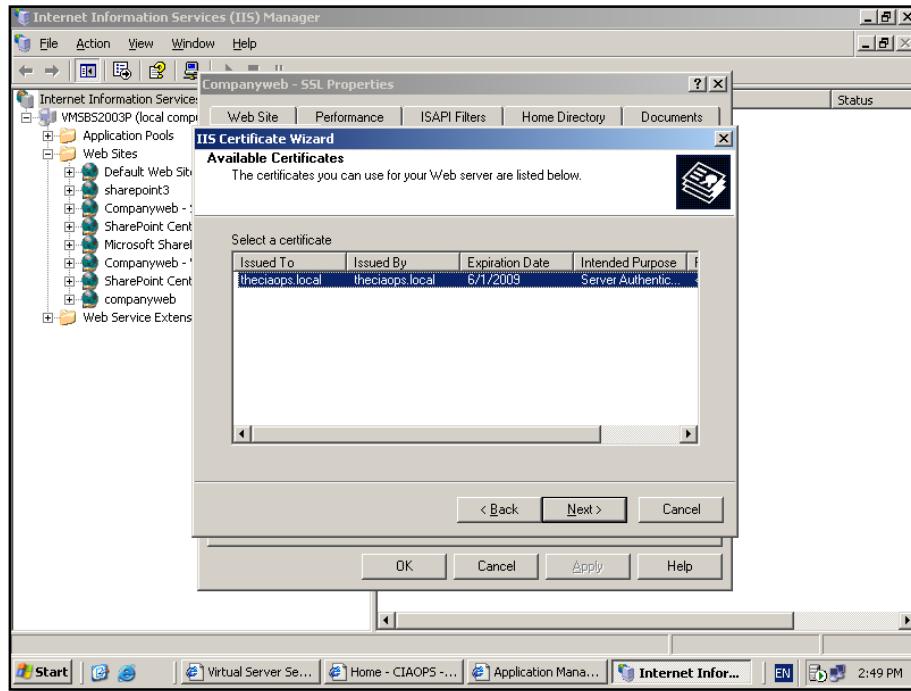
The web server certificate wizard will now launch. Press **Next** to continue.
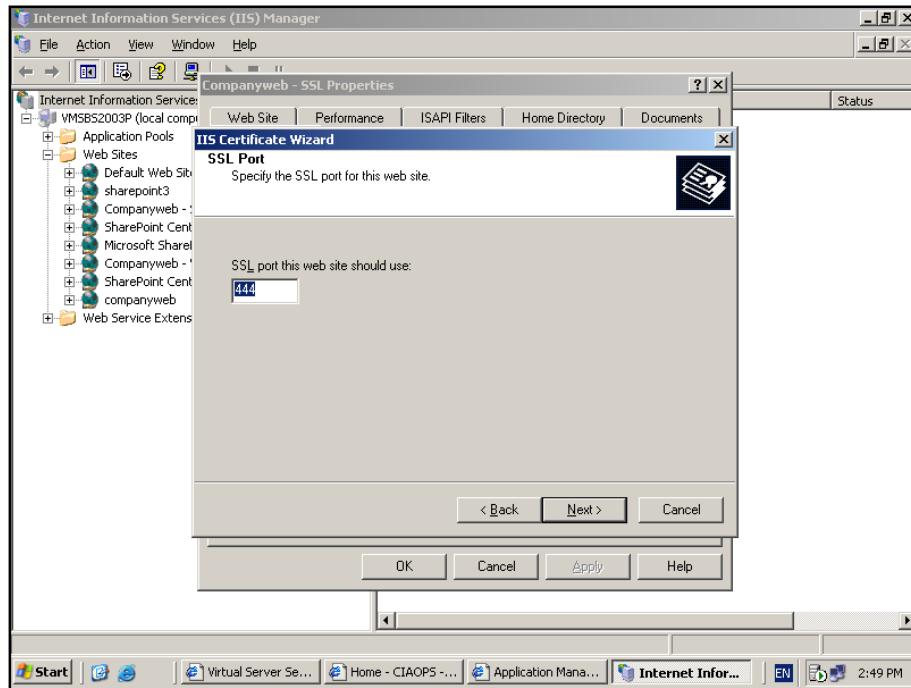

Select the option to *Assign an existing certificate* and press **Next** to continue.
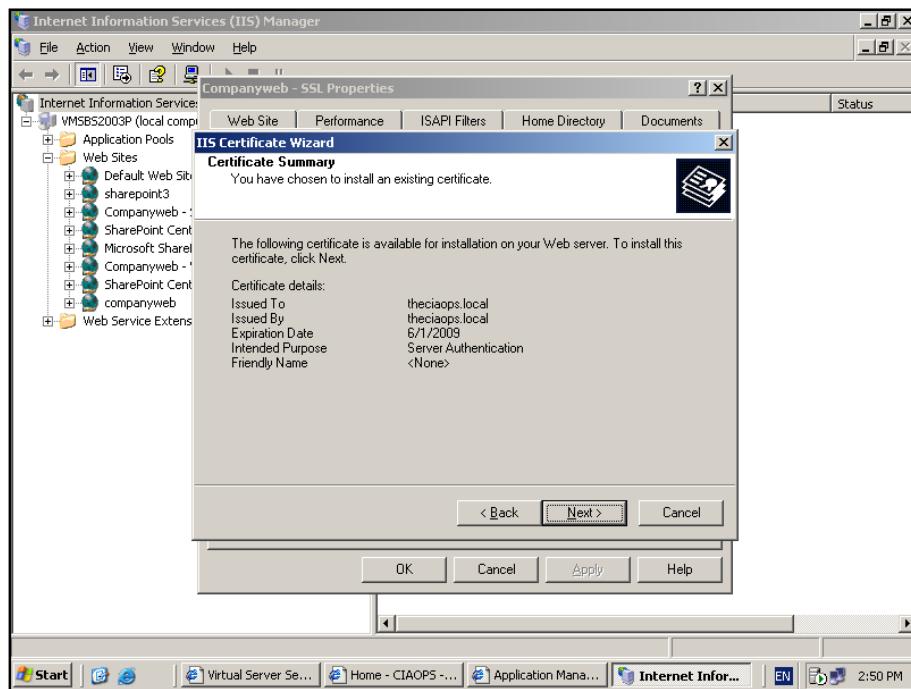
You should now see a list of certificates on your Windows Small Business Server 2003. Select the one you desire. In most cases this will be the self signed certificate that Windows Small Business Server 2003 automatically creates when you run the *Connect to the Internet* wizard. After you have selected the certificate press **Next** to continue.
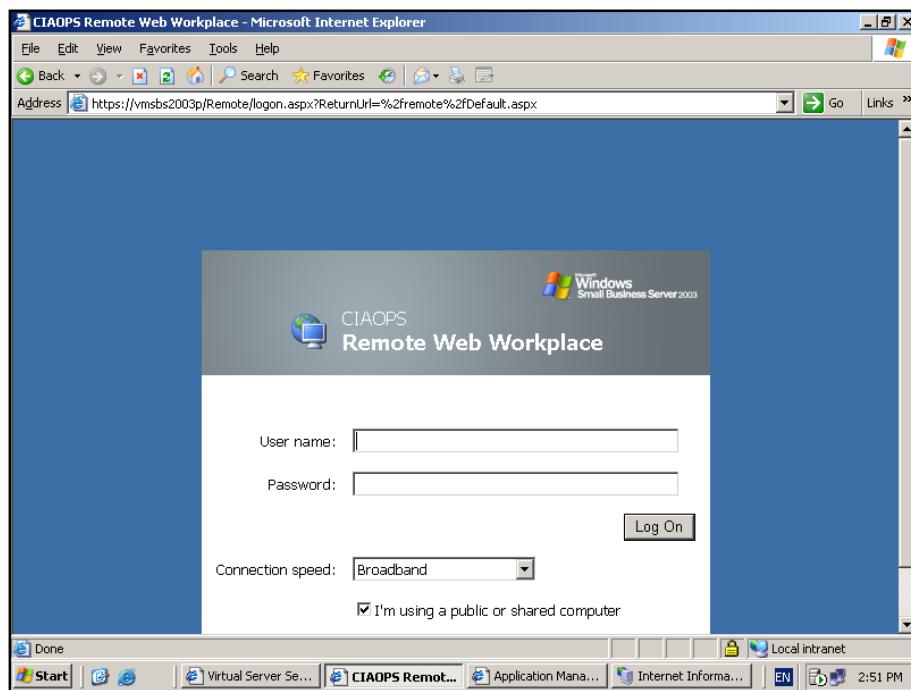
Ensure that port is set to 444. This is the port through which you access SharePoint from Remote Web Workplace. Press **Next** to continue.
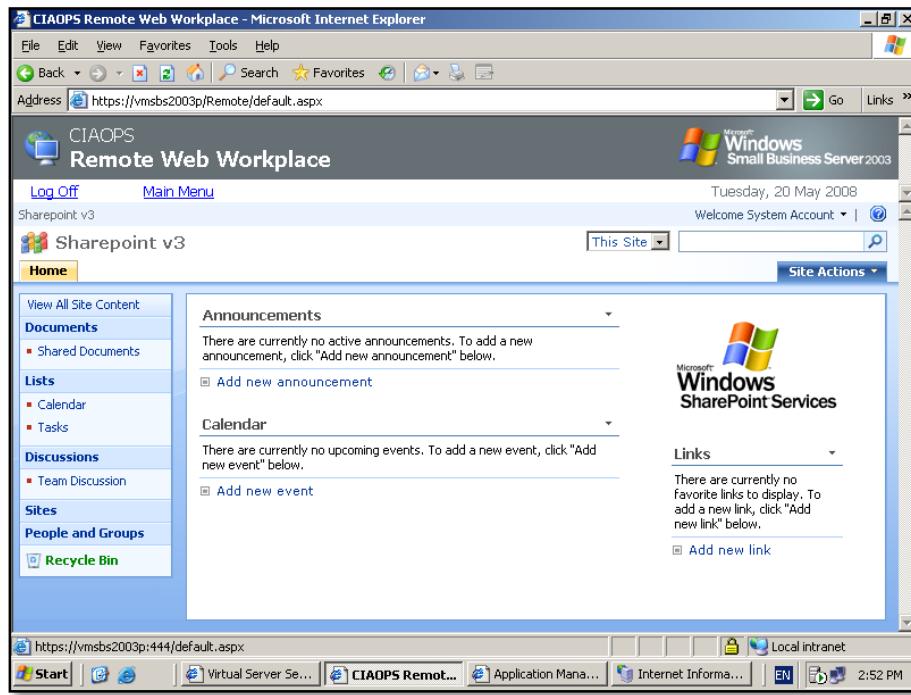

View the summary details and press **Next** to continue.

Access Windows Small Business server Remote Web Workplace and login.

When you select the option to view your company's internal web site you should now see WSS v3.

You will need to note that using WSS v3 as a Companyweb replacement will "break" the fax delivery to SharePoint. This normally could be solved by simply sending faxes to an email enabled list. Unfortunately, WSS v3 on Small Business Server does not support inbound emails due to the presence of Exchange server on the same server. Thus, inbound faxing to SharePoint will remain "broken" as you have replaced Companyweb with WSS v3. This is generally why installing WSS v3 on a member server in a Small Business Server domain is a better idea, because it will allow WSS v3 lists to accept inbound emails.

4.5   Conclusion

Prior to any installation you need to decide on what type of installation you wish to perform, advanced, or default. Each of these options presents a number of different options that can be selected during the installation process and can affect the future growth of your installation.

After installation you should also check that the search functionality has been enabled. More information about this can be found in **Chapter 9 – Advanced Configuration** and **Chapter 11 – Search**.

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