

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

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3.1 Scope

This chapter will examine the process of installing Microsoft Office SharePoint Server 2007 (MOSS) onto a new stand alone Windows 2003 server.

3.2 Prerequisites

There are a number of requirements on any system onto which you plan to install Microsoft Office SharePoint Server 2007 (MOSS). These minimum requirements are:

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

The following requirements are necessary if you wish to implement additional features in MOSS :

- SMTP service

Data storage location

MOSS has the ability to store data in a number of locations, including Microsoft SQL Server 2005 Express Edition that comes with MOSS. The planned location of your MOSS data will have an impact on the installation method you are able to choose.

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

3.3 Installation

We'll cover the following installations:

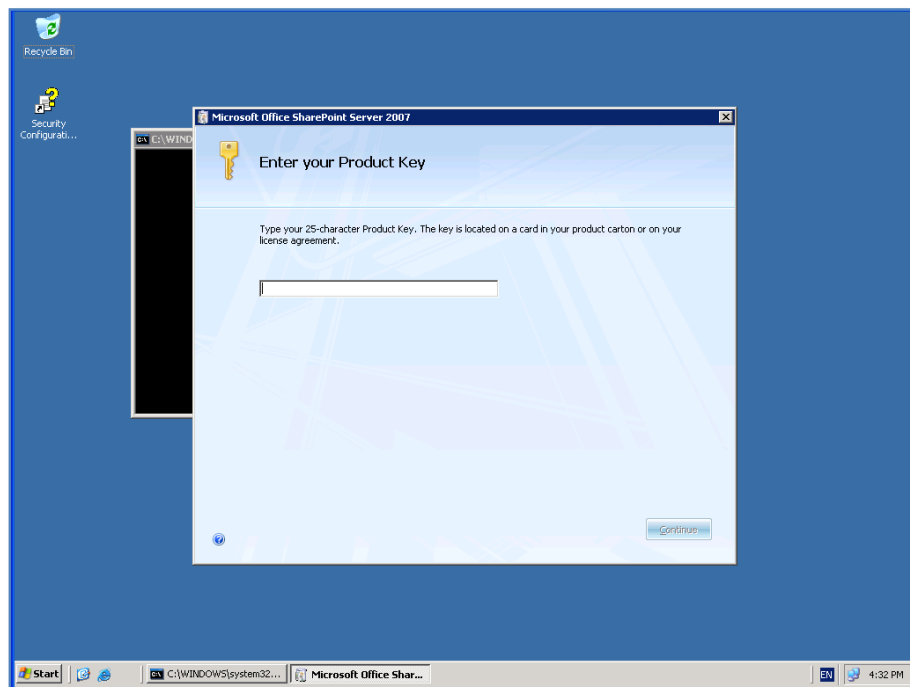
- Advanced
- Default
- Stand Alone

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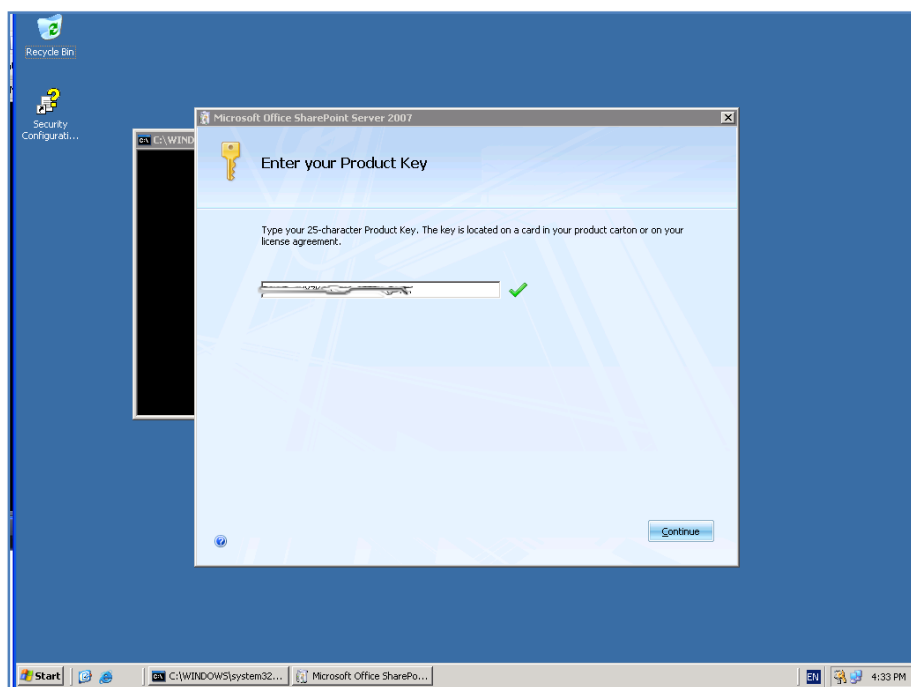
Advanced Installation

After meeting all the server prerequisites and having the MOSS media, log into the Windows Server as an administrator. Commence the installation by inserting the MOSS media.

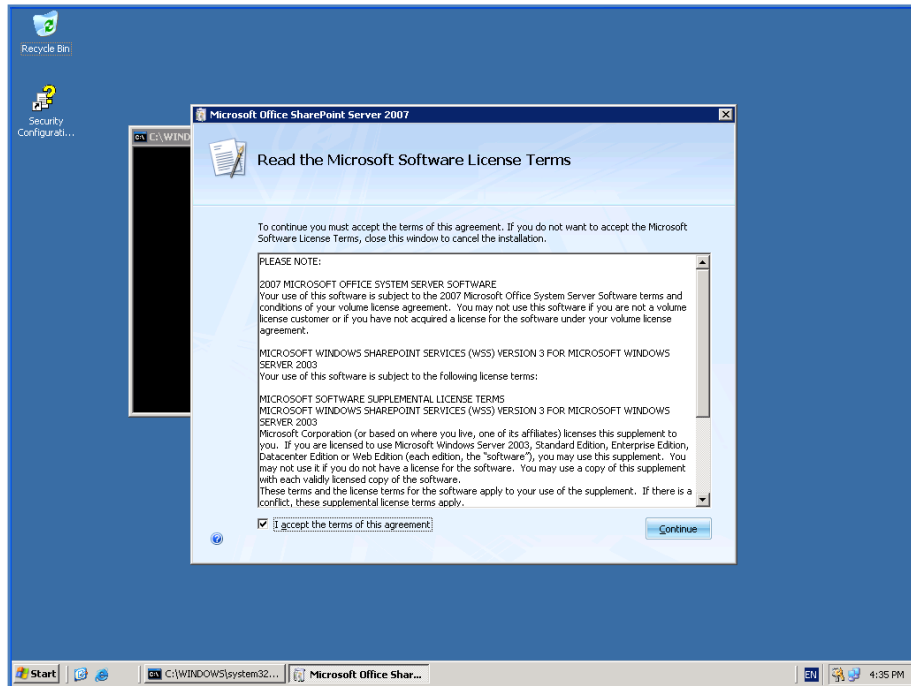
Once the setup files have been extracted you will be prompted to enter a product key for MOSS. The key that you enter here determines whether the MOSS installation is the Standard or Enterprise version. It is also important to keep in mind that it is only possible to upgrade from the Standard edition to the Enterprise edition and not the reverse (i.e. you have to do a reinstallation if you want to downgrade from MOSS Enterprise to MOSS standard).



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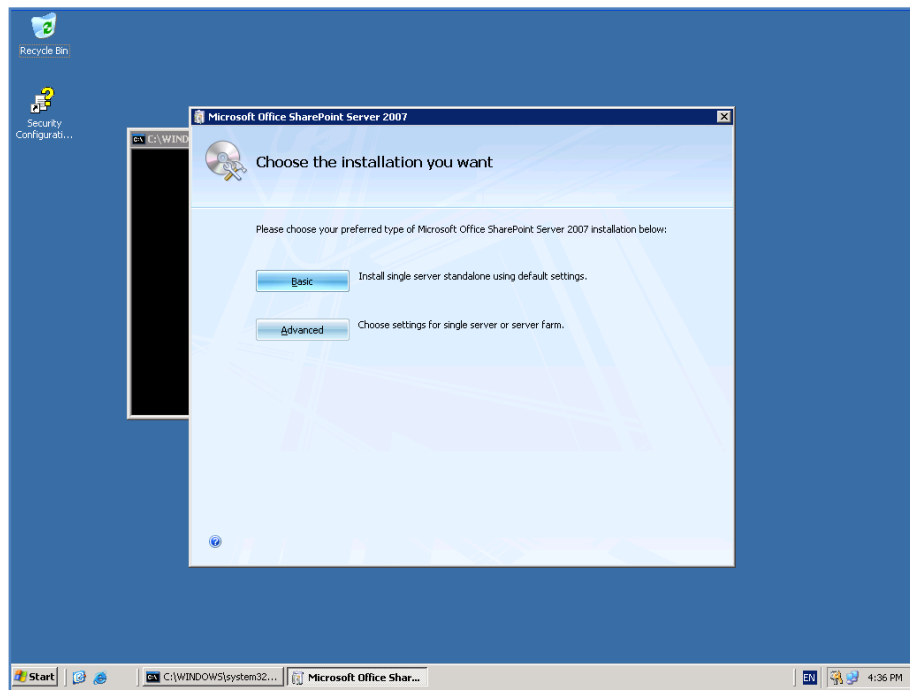


Once the key is entered correctly you should receive a green tick like that shown above. Click the **Continue** button.



The next window displayed will be the Microsoft Software License Terms. After reviewing this, check – *I accept the terms of this agreement* in the lower left of the windows and press the **Continue** button.

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The next windows to be displayed will ask you for the type of installation you wish. It is important to pause here and consider the options that are presented and the ramifications they may have for your installation.

Installation type

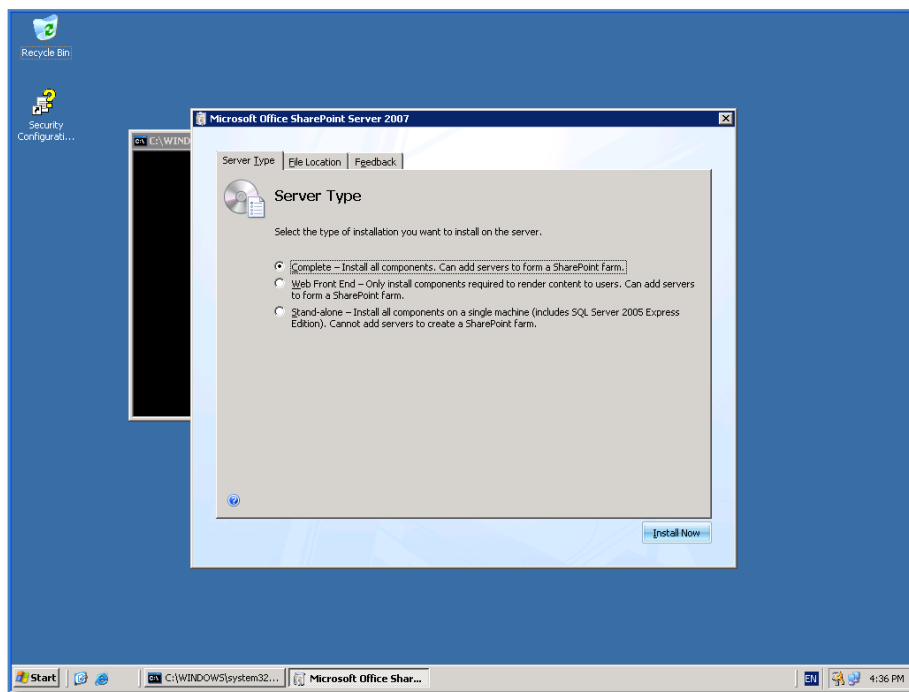
- a. **Basic** – Selecting this option will install MOSS onto your server using the standard defaults. You will not be prompted about things like file locations, database locations or whether you wish to only create a web front end. Selecting this option will automatically complete the following tasks:
 - a. Install SharePoint programs into *c:\program files\common files\Microsoft shared\web server extensions\12\data*
 - b. Install MOSS specific programs into *c:\program files\Microsoft Office Servers\12.0*
 - c. Install Microsoft SQL Server 2005 Express Edition as the MOSS storage option and install this automatically to *c:\program files\Microsoft SQL Server*. It will also install the MOSS databases in *c:\program files\Microsoft Office Servers\12.0\data\mssql.1\mssql\data*
 - d. Configure a MOSS web site on port 80.
 - e. Configure a MOSS collaboration portal.
 - f. MOSS will be configured for a single stand alone server. You will be unable to create a SharePoint farm later if required.

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Note that using the basic option you are unable to change any of the selections mentioned above.

- b. **Advanced** - Selecting this option will provide you with the full range of options with your MOSS installation. However, it is important to note that you will have to complete ALL of the configuration steps and selections (including the creation of a MOSS portal) manually.

To give you a better idea of all the options that are available we will initially consider the Advanced installation option, which is commenced by pressing the **Advanced** button.

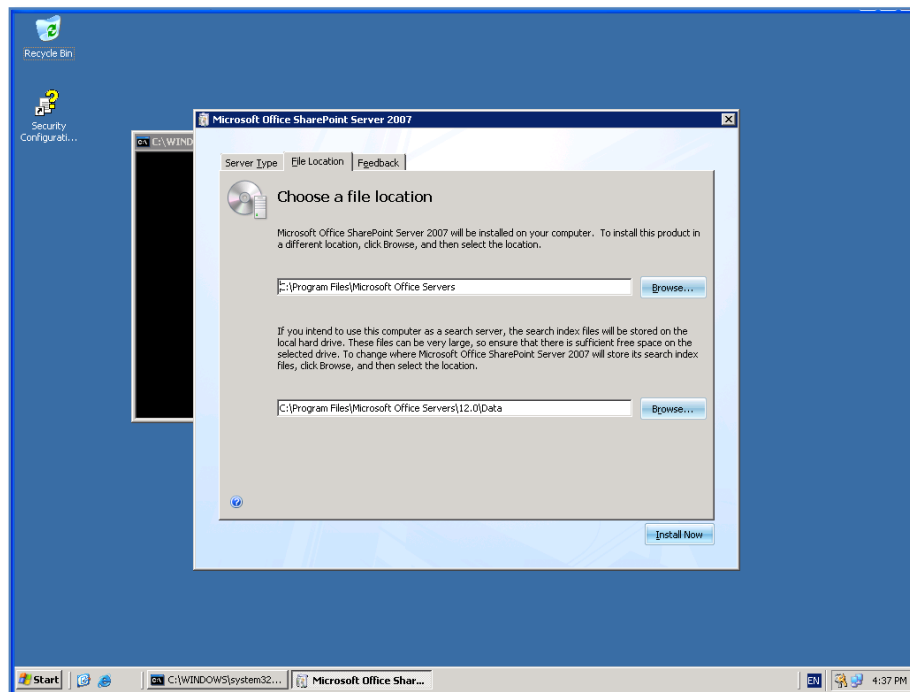


The next windows that is displayed after pressing the **Advanced** button is shown above. On the first tab you can select what type of installation you desire. Here again, the choices that you make can have a major impact on your installation going forward.

1. **Complete** – This option will install all the SharePoint components on the server. This will allow the server to function as a web front end, index server or stand alone server. This provides increased flexibility in that is the role of this server ever changes in the future all the required program files already reside here. The configuration of the MOSS server is completed at a later stage in the installation process. You will need to have an SQL server in place prior to selecting this option.

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2. Web Front End – This option simply installs the files required for this machine to function as processing web requests for SharePoint. A web front machine will need to be joined to an existing MOSS 'farm' before it can function. This option will require a reinstall if you need to support other services on this server later. It will however allow you to add more servers at a later date to form a 'farm'. You will need to have an SQL server in place prior to selecting this option.
3. Stand-alone – This option will not allow you to choose your own data storage location. It will also install Microsoft SQL Server 2005 Express Edition into *c:\program files\Microsoft SQL Server* and the MOSS databases into *c:\program files\Microsoft Office Servers\12.0\Data\MSSQL.1\MSSQL\Data*. Another limitation of this installation is that you are unable to add additional servers to this configuration to create a 'farm'.

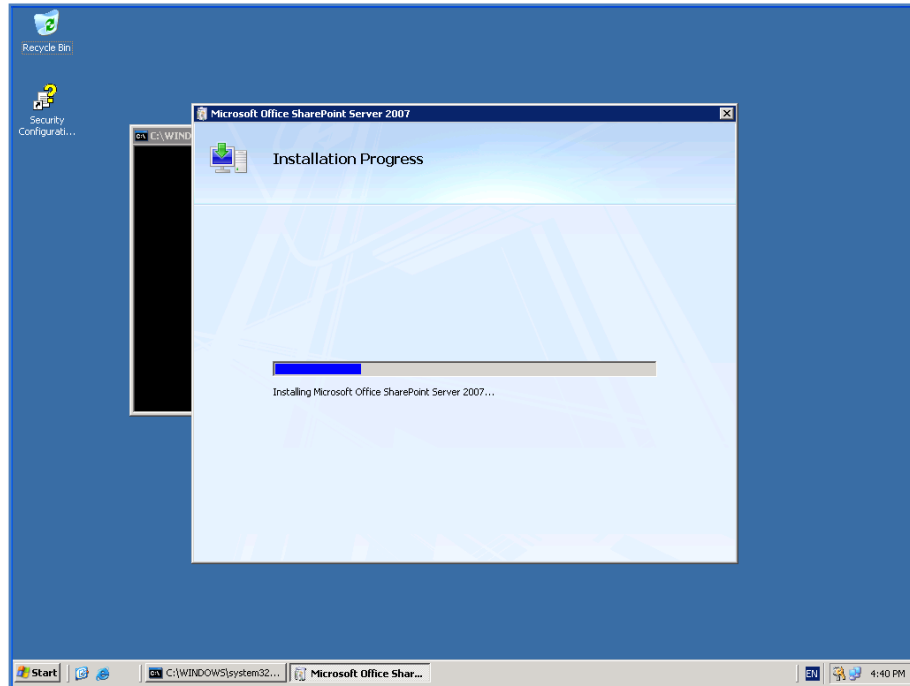


The data location tab allows you to specify where the MOSS program files will be stored. By default these will be installed in *c:\program files\Microsoft office servers*. You can specify any location by changing the entry displayed. It is recommended that you only change the drive letter if necessary 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.

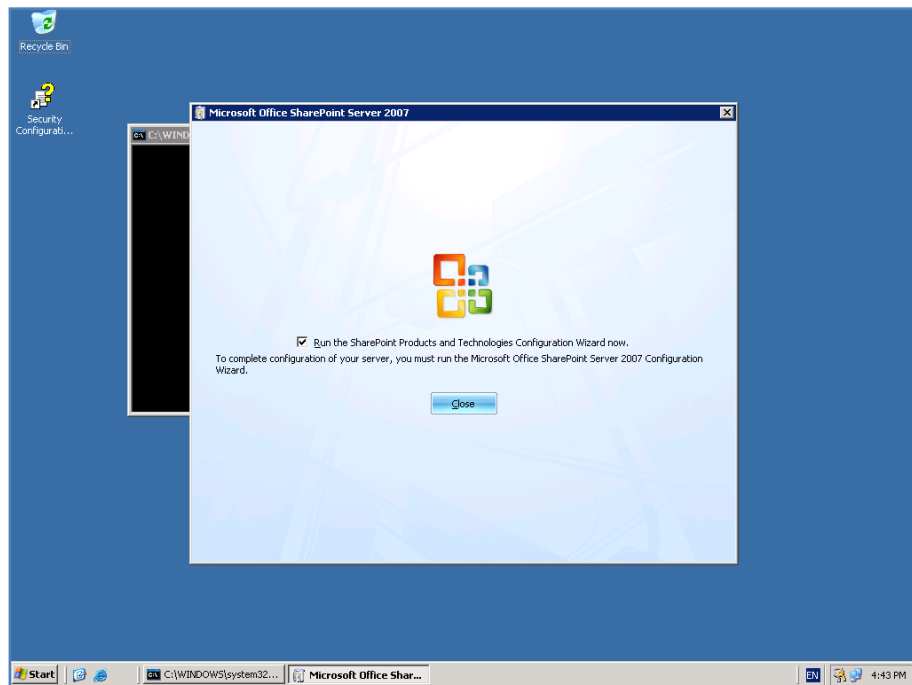
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Our installation here will continue along the installation of the Complete option since it illustrates all of the available options.



MOSS will now be installed onto your system with the options you have previously selected. You will be prompted for no further input until the installation progress bar has reached the far right hand side.

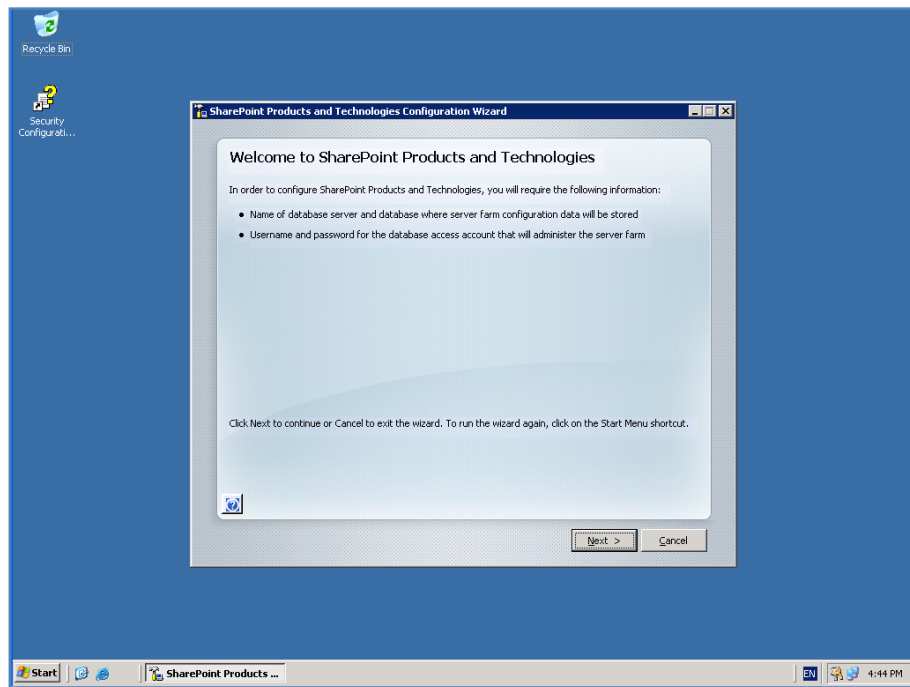
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When the installation has successfully completed you will see the above window. By default, the *Run the SharePoint Products and Technologies Configuration Wizard now* option is selected. If you wish to configure MOSS at a later stage simply uncheck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

Press the **Close** button to continue.

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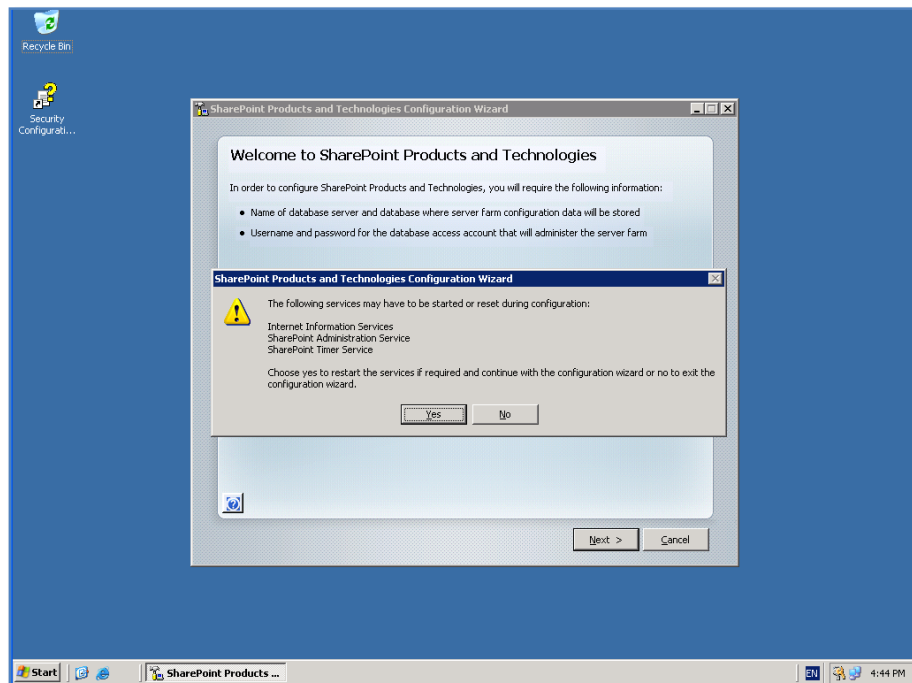
If you selected to run the configuration wizard then the following windows will appear.

The window warns you that to complete the wizard you will require:

- Name of the database server and database where the server farm configuration will be stored. You must have this database in place prior to proceeding.
- Username and password for the database access account that will administer the server farm.

Press the **Next** button to continue.

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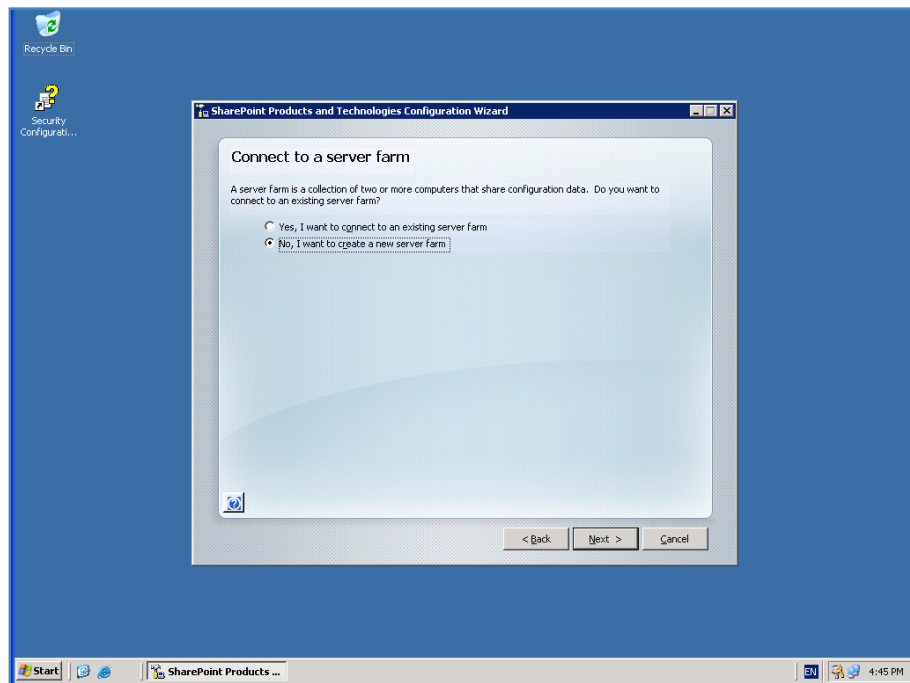
You will now receive a warning that the wizard will start or restart the following services

- Internet Information Services (IIS)
- SharePoint Administration Service
- SharePoint Timer Service

You need to be aware that this operation may have an impact on other applications that uses these services which could affect network users interacting with them.

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

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You are now presented with the option to either connect to an existing MOSS 'SharePoint farm' or create a new farm. In this case because this is a new installation, select – *No, I want to create a new server farm* and press the **Next** button to continue.

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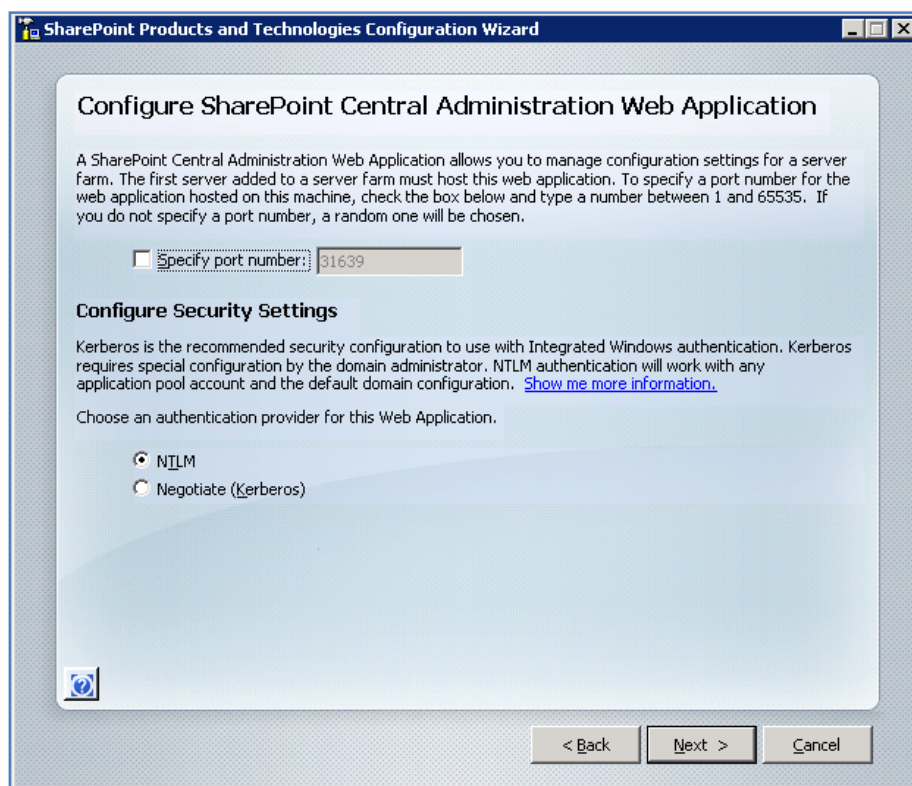
The screenshot shows the 'Specify Configuration Database Settings' window of the SharePoint Products and Technologies Configuration Wizard. The window has a title bar with the text 'SharePoint Products and Technologies Configuration Wizard'. Inside, there's a section titled 'Specify Configuration Database Settings' with a paragraph of instructions: '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](#).' Below this, there are two input fields: 'Database server:' with the value 'SERVER01' and 'Database name:' with the value 'SharePoint_Config'. Another section titled 'Specify Database Access Account' follows, with instructions: '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.' Below this are two input fields: 'Username:' with the value 'administrator' and 'Password:' with a masked password '.....'. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Because you selected the option to create a new farm you will now be prompted for the location of your database server. The Advanced Installation option selected previously does not automatically install Microsoft SQL Server 2005 Express Edition and thus you need to already have a compatible database server available on your network. Typically, this database server will be Microsoft SQL Server (2000, 2005 Express, 2005 Workgroup, 2005 Standard, 2008 Express, etc). For more information about the MOSS database options see the Chapter on Database Operations.

Note that you may be required to enter your database name as `<SERVER>\<INSTANCE>` (but generally `<SERVER>` is fine and the database access account as `<domain>\<username>`). By default, the MOSS configuration database will be called `SharePoint_config`, which you are able to change if desired.

When these options are complete, press the **Next** button to continue.

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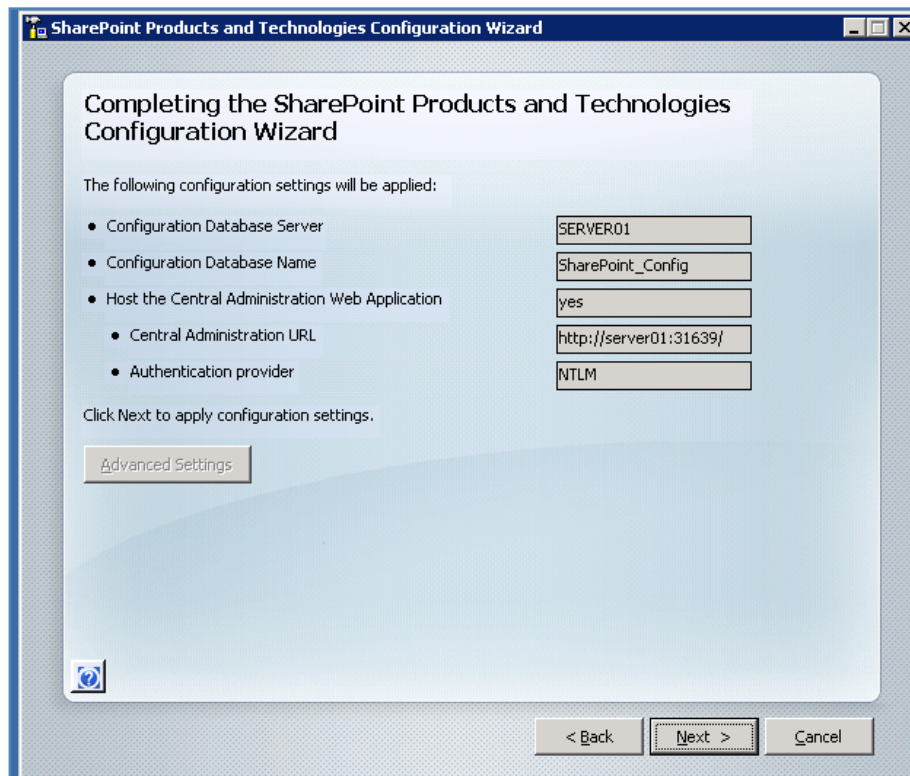


Now you will be prompted to set the SharePoint Central Administration Web Site port number if you want. By default, the installation will choose a random port. This configuration will ensure that the SharePoint Central Administration site doesn't conflict with an existing web site (especially the default web site on port 80). It is recommended that you leave this option unchecked so the installation can select a free port or set it to something like 5000 to make it easier to remember.

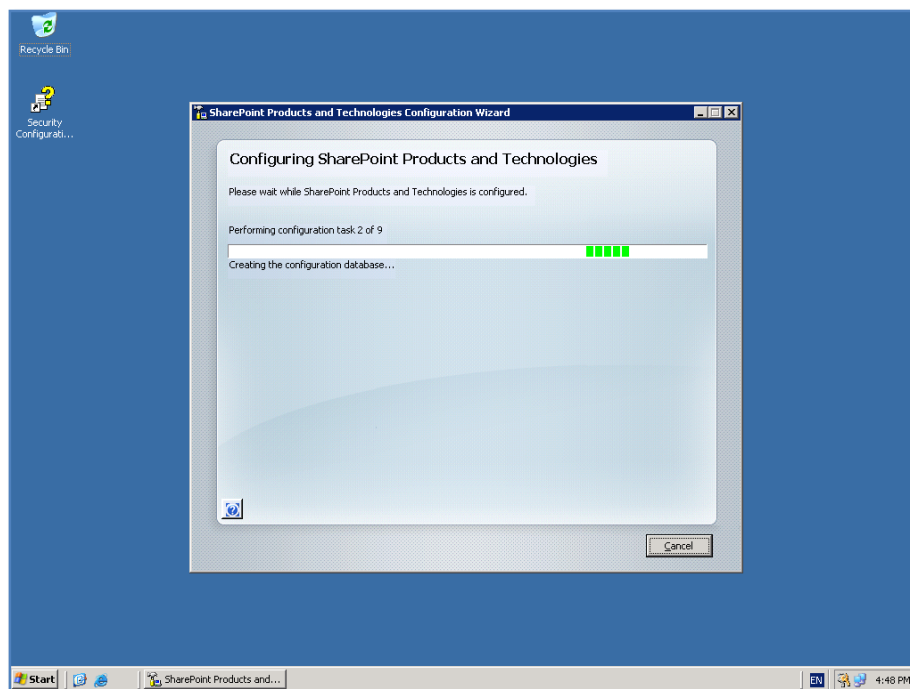
You are also prompted for the authentication provider required for MOSS security. This provider is referenced by MOSS to determine who has access to the information in MOSS. It is possible to change this at a later stage, however initially it is recommended that it be left as NTLM.

When this is complete press the **Next** button to continue.

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You are now finally presented with a summary of your installation choices. After reviewing these press the **Next** button to continue.



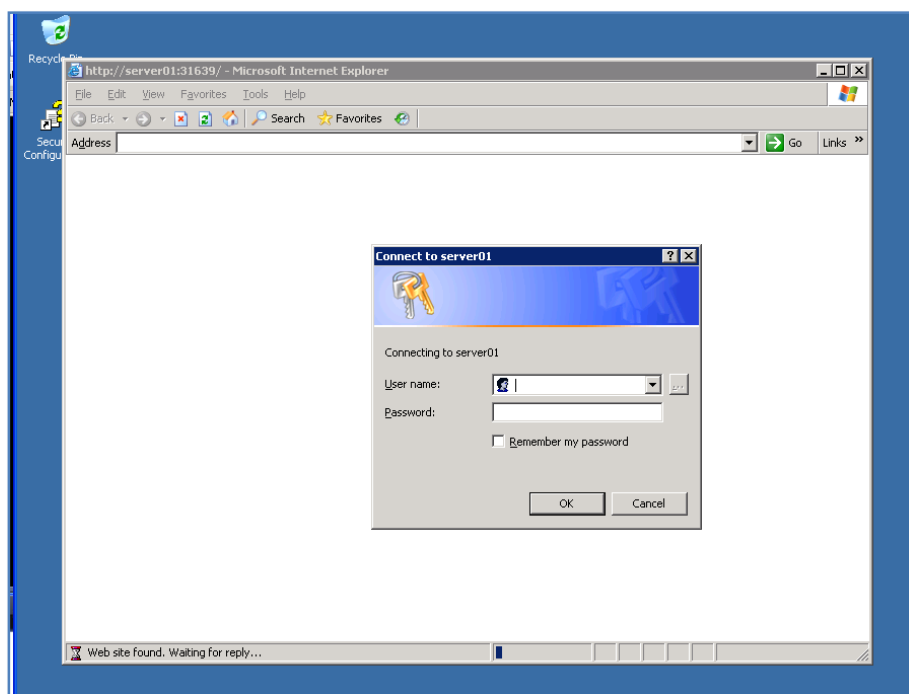
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The configuration wizard will now run through nine or so stages to complete the configuration on the server. During this process there is no option to enter further information and the only option available is to press the **Cancel** button to halt the process.

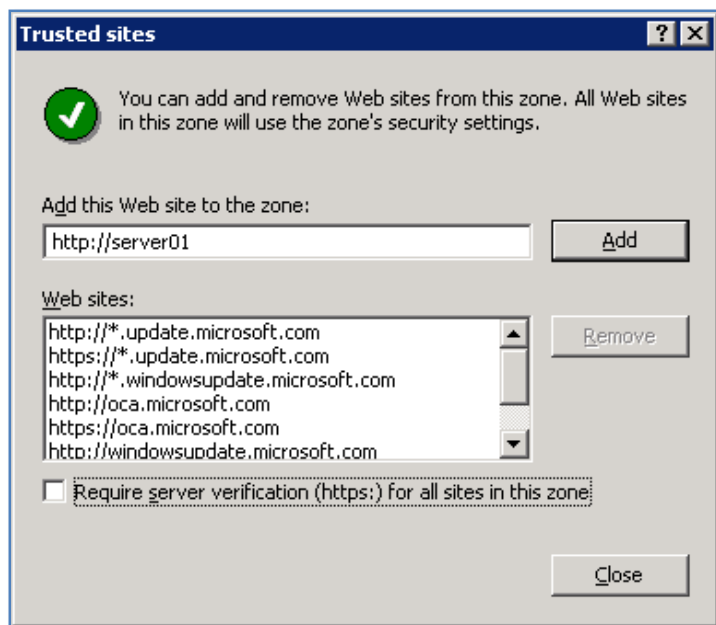


Once the wizard has completed all the steps you will see the above summary screen indicating that the configuration was successful. Press the **Finish** button to continue.

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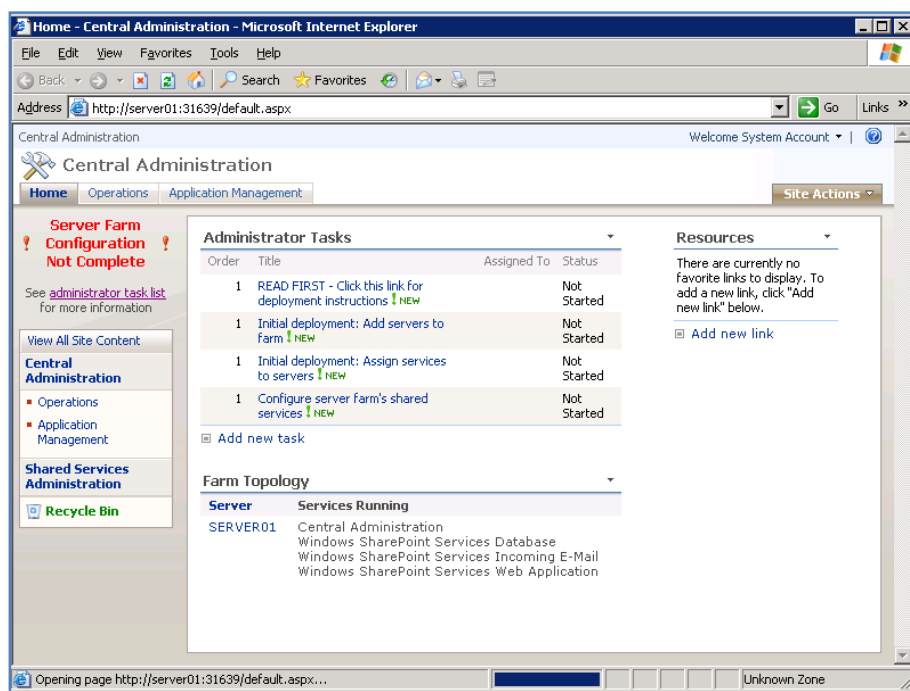


The server will now attempt to display the *SharePoint Central configuration* page. You may need to enter the administrator login credential to gain access.



It is also recommended that you take the opportunity to add the site into the safe sites for the browser.

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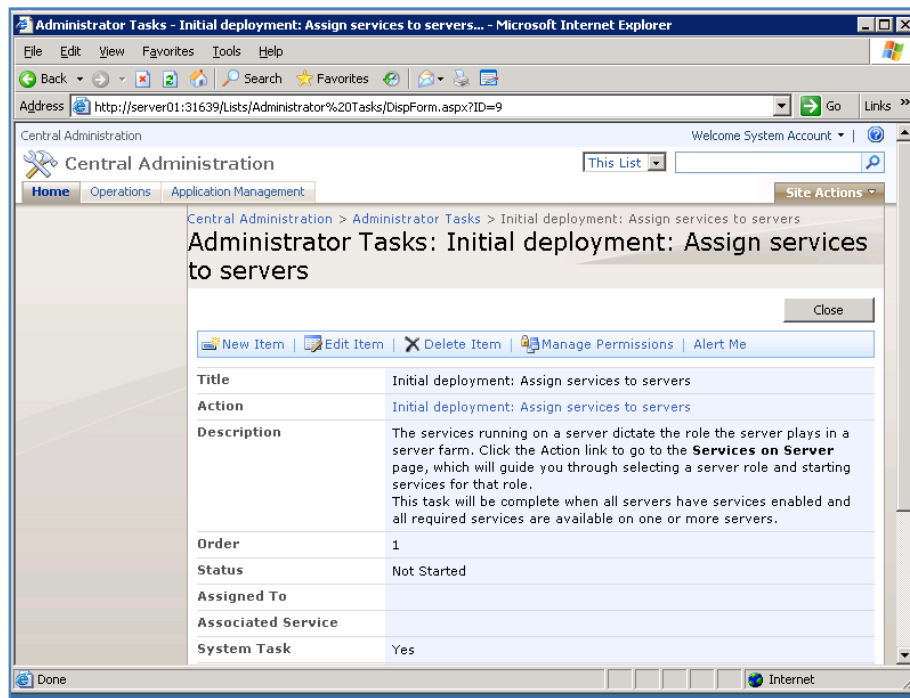


Since the Advanced Installation option was selected at the beginning of this process you now need to configure MOSS server services, an SSP, web site and site collection. This is done through the *SharePoint Central Administration* which is automatically displayed upon the completion of the configuration wizard.

If you plan to join additional servers to this farm it is advisable to do so before proceeding.

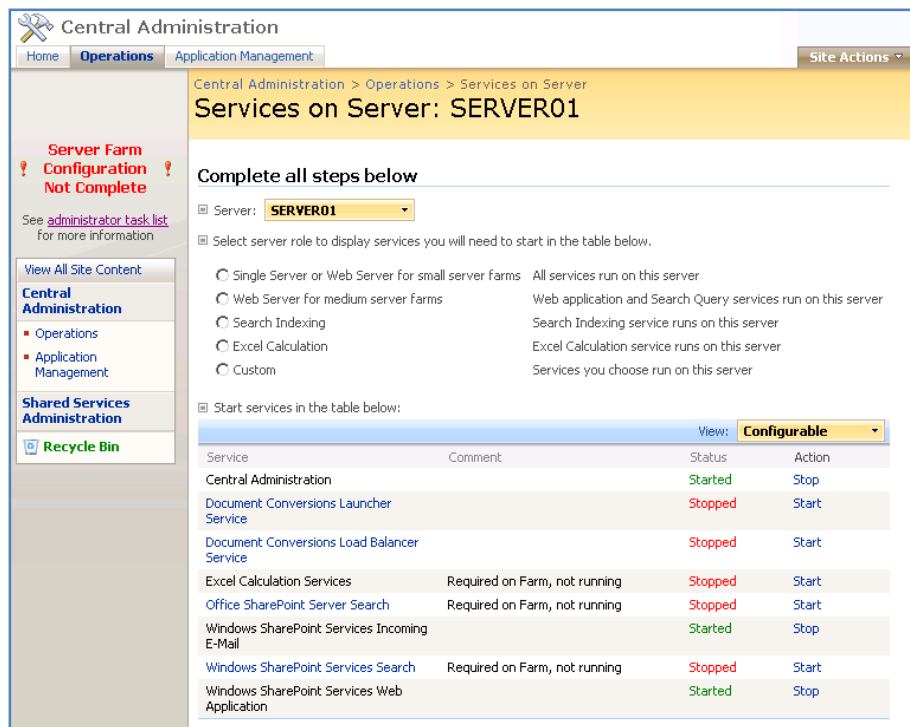
Once any additional servers have been added to the farm select the third option on the list Initial deployment: *Assign services to servers*.

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You will now see a description of what will be accomplished with this task.

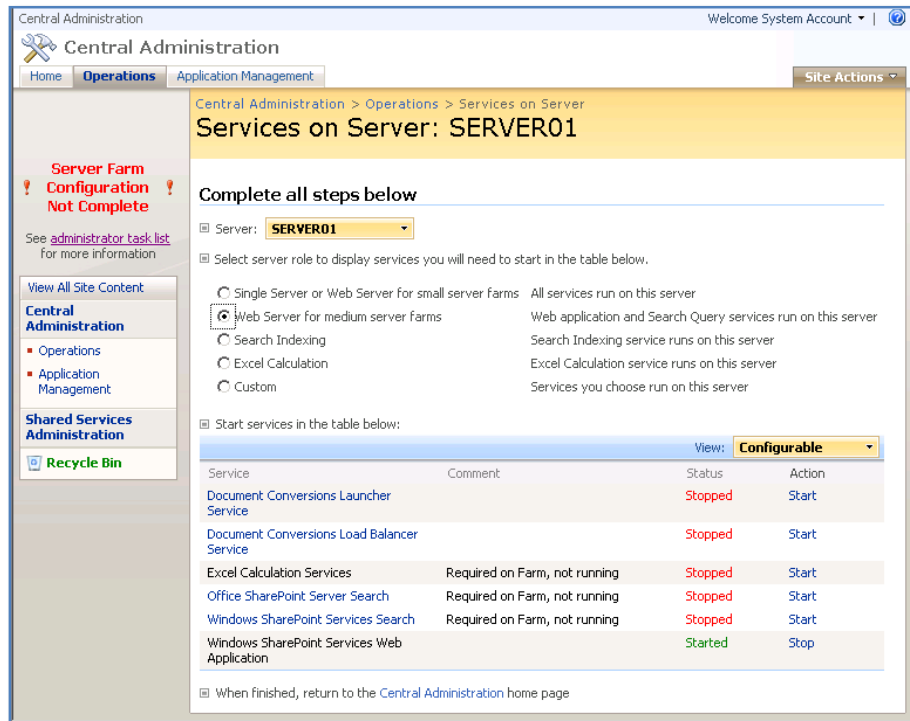
Click the link *Initial deployment: Assign services to servers* to continue.



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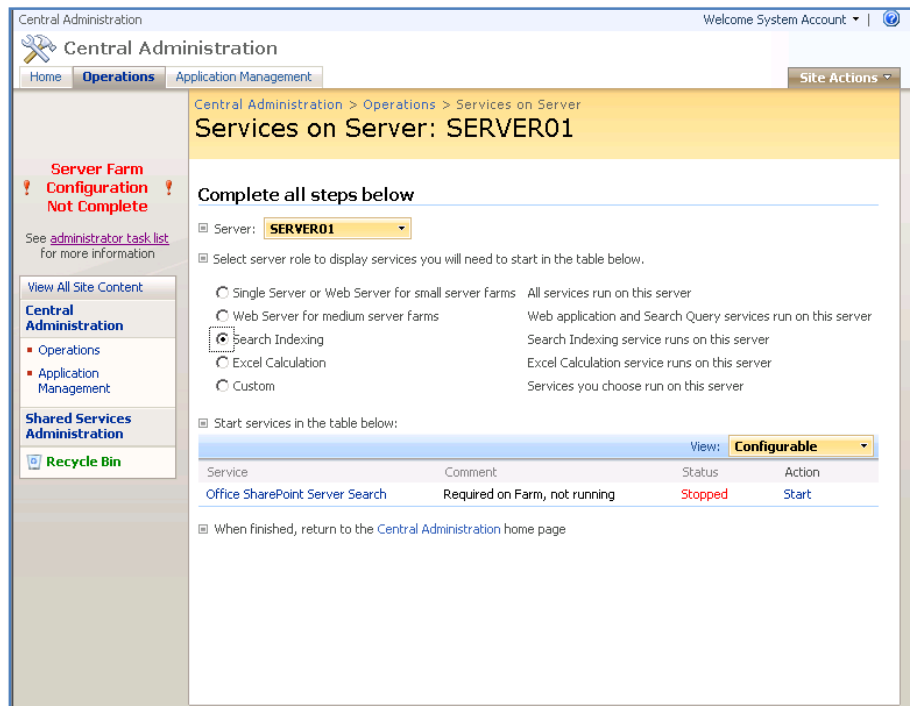
Here you will see a list of all the services for the farm.

At the top you will see the option to select the role for the current server. Select any of these options will show you what services are required on that server.

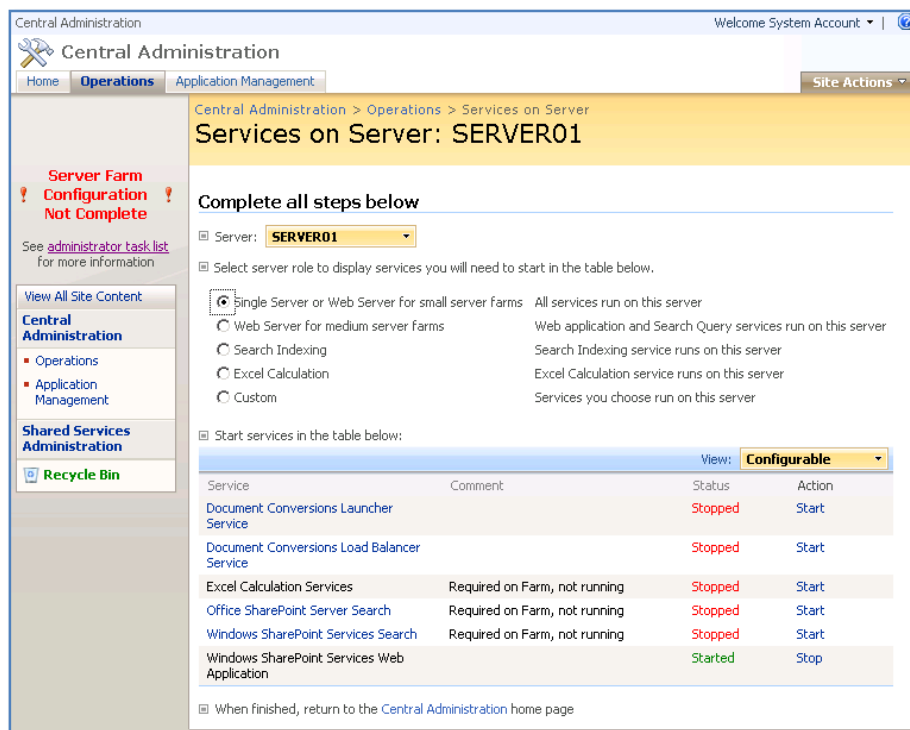


If, for example, you click the *Web Server for medium server farms* options the number of services shown in the lower portion of the window will change.

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If you select the option *Search Indexing* in the top section you again will see the services required changed in the bottom part of the window.



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In this configuration we currently only have a single server available select the option *Single Server or Web Server for small server farms*.

In the list of services shown below you will note in the comment field that some services are *Required on Farm, not running*. Before proceeding further these services must be started.

Central Administration > Operations > Services on Server

Services on Server: SERVER01

Complete all steps below

Server: **SERVER01**

Select server role to display services you will need to start in the table below.

☒ Single Server or Web Server for small server farms All services run on this server

☐ Web Server for medium server farms Web application and Search Query services run on this server

☐ Search Indexing Search Indexing service runs on this server

☐ Excel Calculation Excel Calculation service runs on this server

☐ Custom Services you choose run on this server

Start services in the table below:

Service	Comment	Status	Action
Document Conversions Launcher Service		Stopped	Start
Document Conversions Load Balancer Service		Stopped	Start
Excel Calculation Services		Started	Stop
Office SharePoint Server Search	Required on Farm, not running	Stopped	Start
Windows SharePoint Services Search	Required on Farm, not running	Stopped	Start
Windows SharePoint Services Web Application		Started	Stop

When finished, return to the Central Administration home page

To start the *Excel Calculation Services* service simply click on the **Start** link under the *Action* column to the right of that row.

Once the service is started you will see that its status has changed from *Stopped* to *Started* (also now displayed in green) and the *Action* field has changed to *Stop* as shown above.

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The screenshot shows the Central Administration console with the following elements:

- Navigation Bar:** Home, Operations (selected), Application Management, Site Actions.
- Breadcrumb:** Central Administration > Operations > Services on Server > Office SharePoint Server Search Service Settings.
- Page Title:** Configure Office SharePoint Server Search Service Settings on server SERVER01.
- Warning:** Use this page to configure Office SharePoint Server Search Service Settings. Warning: this page is not encrypted for secure communication. User names, passwords, and any other information will be sent in clear text. For more information, contact your administrator.
- Left Sidebar:**
 - Server Farm Configuration Not Complete (with exclamation mark icon).
 - See administrator task list for more information.
 - View All Site Content.
 - Central Administration
 - Operations
 - Application Management
 - Shared Services Administration
 - Recycle Bin
- Main Content Area:**
 - Query and Indexing:** Use this option to specify if you want to use this server for search queries or indexing or both.
 - ☒ Use this server for indexing content
 - ☒ Use this server for serving search queries
 - Contact E-mail Address:** Specify an e-mail address that external site administrators can contact if problems arise when their site is being crawled. This setting applies to all servers in the farm.
 - E-mail Address: (Example: someone@example.com)
 - Farm Search Service Account:** The search service will run using this account. Setting or changing this account affects all index and query servers in the server farm. The farm search service account must not be a built-in account for security reasons and for it to access the database and content index. Examples of built-in accounts are Local Service and Network Service.
 - User name:
 - Password:

Click the **Start** link for the row that corresponds to the *Office SharePoint Server Search Service* to the right of the row.

You will now be taken a page to configure this service as shown above. Since this is a single server installation check both options in the *Query and Indexing* section (i.e. Use this server for indexing content and Use this server for serving search queries).

Now enter a suitable contact email address and an account for performing search on the farm.

When this is complete scroll down for more options.

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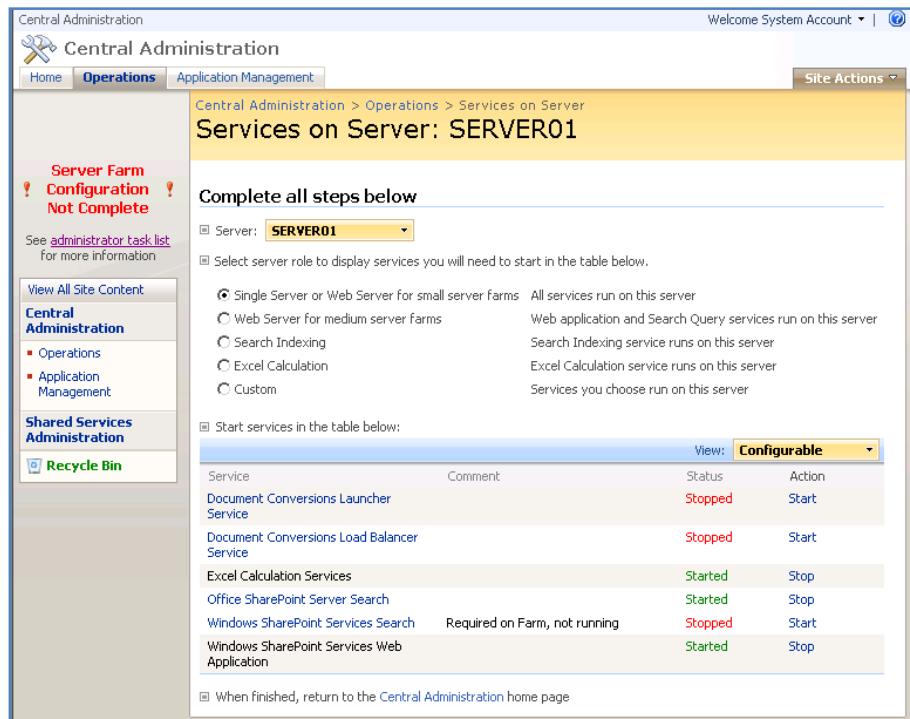
Index Server Default File Location The search index will be located at this path by default on this server. For index servers, you can specify a different path when you create a Shared Services Provider. To change this index file location for an existing Shared Services Provider, use the command stsadm.exe -o editssp.	Default index file location: <input type="text" value="C:\Program Files\Microsoft Office Serv"/>
Indexer Performance Indexing information can place a large load on the local SQL Server database and might slow down the responsiveness of the local SharePoint sites. However, reducing the maximum allowed indexing activity will slow down the speed at which items are indexed, and therefore might cause search results to be outdated. Use information about the local server load to select the appropriate indexer performance level.	<input type="radio"/> Reduced <input checked="" type="radio"/> Partly reduced <input type="radio"/> Maximum
Web Front End And Crawling Use this option to specify a dedicated web front end for crawling. Crawling through a dedicated web front end will reduce the impact of crawling on the other web front ends in the farm. If your index server is not running other shared services, it is recommended to enable the web front end role on this computer and use it as the dedicated web front end for crawling. If your index server is also running the Excel Calculation service or other shared services, select no dedicated web front end for crawling. Otherwise,	<input checked="" type="radio"/> Use all web front end computers for crawling <input type="radio"/> Use a dedicated web front end computer for crawling <input type="text" value="SERVER01"/>

You can elect to change the Indexer Performance but it is recommended you leave it as *Partly reduced* in this case.

When you have additional machines in a MOSS farm you can elect to dedicate one of these solely to perform indexing. In this case we only have a single server so leave the default setting for *Web Front End And Crawling* as the default.

When complete scroll down the page and press the **OK** button to save this configuration.

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When the configuration process is complete you are returned to the *Services on Server* page and will note that the service *Office SharePoint Server Search* is started.

Click on **Start** option for the remaining option to be configured for the farm, the *Windows SharePoint Services Search*.

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The screenshot shows the Central Administration console with the following elements:

- Navigation Bar:** Home, Operations (selected), Application Management, Site Actions.
- Breadcrumbs:** Central Administration > Operations > Services on Server > Windows SharePoint Services Search Service Settings.
- Page Title:** Configure Windows SharePoint Services Search Service Settings on server SERVER01.
- Warning:** Use this page to configure Windows SharePoint Services Search Service Settings. Warning: this page is not encrypted for secure communication. User names, passwords, and any other information will be sent in clear text. For more information, contact your administrator.
- Left Sidebar:**
 - Server Farm Configuration Not Complete (with exclamation mark icon).
 - See administrator task list for more information.
 - View All Site Content.
 - Central Administration
 - Operations
 - Application Management
 - Shared Services Administration
 - Recycle Bin
- Main Content Area:**
 - 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. Fields: User name (server01\administrator), Password (masked).
 - 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. Fields: User name (server01\administrator), Password (masked).
 - 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. Fields: Database Server (SERVER01), Database Name (empty).

Upon clicking the **Start** link you will be prompted to complete the configuration for this service.

Enter a *Service Account* that will run this service. Ensure that you enter these details in the format of `<domain\user>`.

Now enter an account for the *Content Access*. You may choose to make this the same account if desired.

Scroll down the page for further options.

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The screenshot shows the 'Search Database' configuration window. On the left, there is a sidebar with a warning about administrator accounts and a 'Search Database' section. The main area contains fields for 'Database Server' (SERVER01), 'Database Name' (WSS_Search_SERVER01), and 'Database authentication' (Windows authentication selected). Below these is the 'Indexing Schedule' section with options for 'Every 5 Minutes', 'Hourly', or 'Daily'.

For proper search functionality and information security, do not use an administrator account, and do not use accounts that can modify content.

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: SERVER01

Database Name: WSS_Search_SERVER01

Database authentication:

- ☒ Windows authentication (recommended)
- ☐ SQL authentication

Account: []

Password: []

Indexing Schedule

Configure the indexing Schedule.

Indexing schedule:

- ☒ Every 5 Minutes
- ☐ Hourly between [] and [] minutes past the hour
- ☐ Daily

Between 12 AM 00 and 12 AM 00

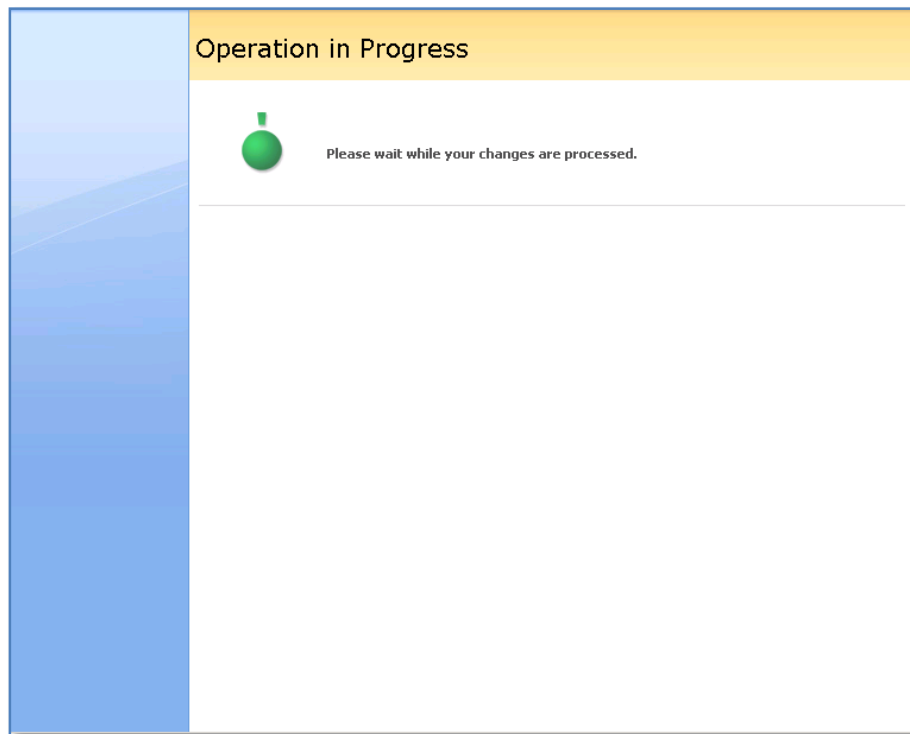
Start Cancel

You should find that the *Database Server* name and *Database Name* fields have automatically been completed. You can change either of these if desired as well as the *Database authentication*.

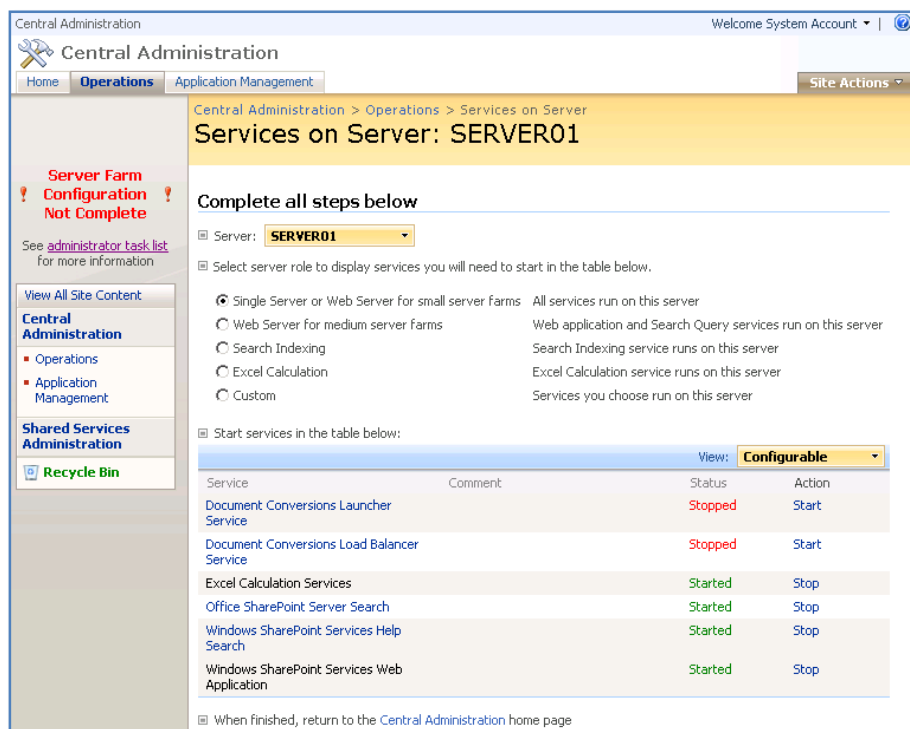
In the last section you will need to complete how often you wish the indexing to schedule. In most cases it is recommended that you accept the default.

Press the **Start** button when the configuration changes are complete.

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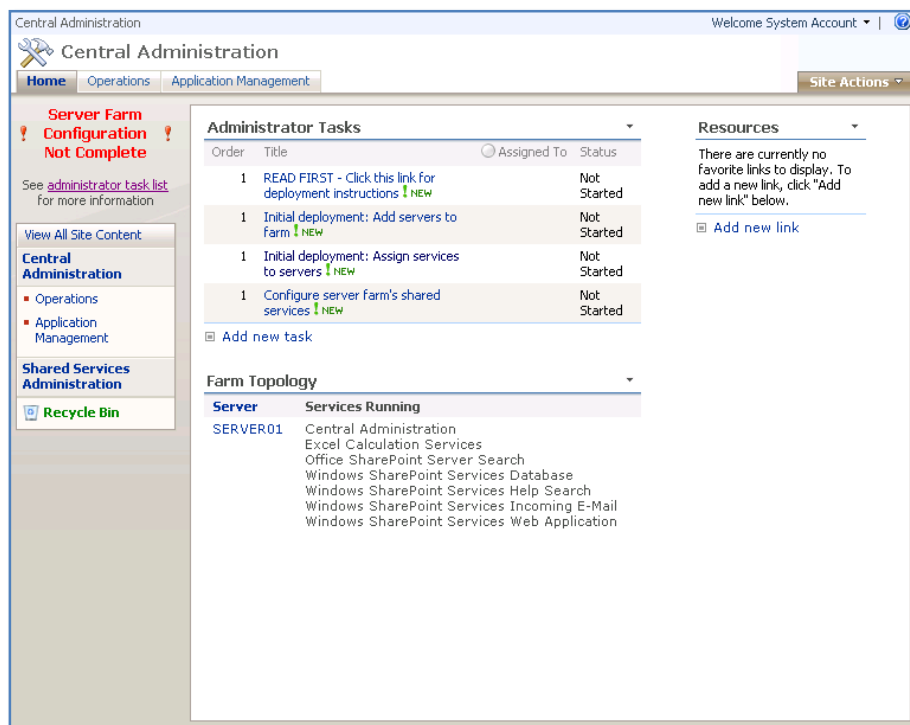
You should now see a window indicating that these services are being configured.



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When this configuration is complete you will be returned to the *Services on Server* screen.

You should now see that there are no longer any services that are required on the farm that are not running.



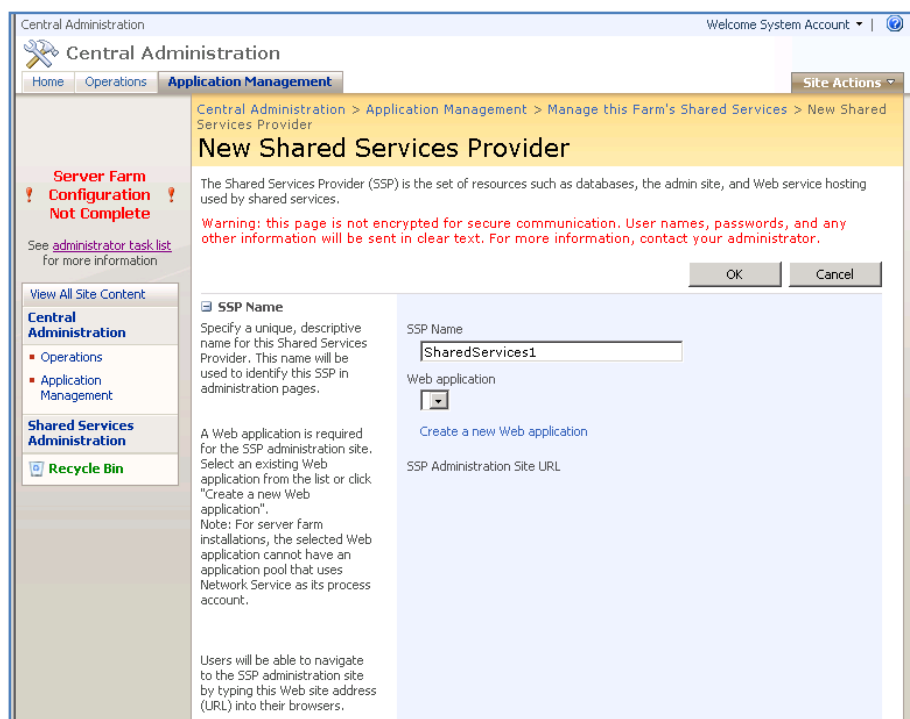
Return to the *Central Administration Home* page by pressing the **Home** tab in the top left of the screen.

Now select the fourth option on the list *Configure server farm's shared services*.

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At the summary screen select the hyperlink *Configure server farm's shared services*.



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You will now be placed in a Windows that allows you to create a new *Shared Services Provider* (SSP). An SSP is a collection of farm services, such as profiles, configuring global search and creating audience groups that are available to different web applications and site collections.

You should configure a new Web application to host the SSP so select the hyperlink *Create a new web application* to continue.

The screenshot shows the 'Central Administration' console with the 'Application Management' tab selected. The main heading is 'Create New Web Application'. A warning message states: '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.' Below this, there are two main sections: 'IIS Web Site' and 'Security Configuration'. The 'IIS Web Site' section has two options: 'Use an existing IIS web site' (selected) and 'Create a new IIS web site'. The 'Create a new IIS web site' option is expanded, showing fields for 'Description' (SharePoint - 80), 'Port' (80), 'Host Header', and 'Path' (C:\inetpub\wwwroot\wss\VirtualDirect). The 'Security Configuration' section shows 'Authentication provider' with 'Negotiate (Kerberos)' selected and 'NTLM' unselected. On the left side, there is a 'Server Farm Configuration Not Complete' warning and a 'Recycle Bin' link.

By default the new web application will show Port 80 but generally you should configure the SSP on another port since the SharePoint site itself will operate on Port 80.

Select the Port section (that currently show 80) and change it to something like 5001.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

The screenshot shows the 'Central Administration' console with the 'Application Management' tab selected. The main heading is 'Create New Web Application'. Below this, there is a warning message: 'Warning: this page is not encrypted for secure communication. User names, passwords, and any other information will be sent in clear text. For more information, contact your administrator.' The page is divided into several sections: 'IIS Web Site' on the left, 'Security Configuration' at the bottom left, and configuration options on the right. The 'IIS Web Site' section offers two choices: 'Use an existing IIS web site' (selected) and 'Create a new IIS web site'. The 'Create a new IIS web site' section includes fields for 'Description' (set to 'SharePoint - 5001'), 'Port' (set to '5001'), 'Host Header', and 'Path' (set to 'C:\Inetpub\wwwroot\wss\VirtualDirect'). The 'Security Configuration' section notes that Kerberos is the recommended security configuration. The right side of the page has 'OK' and 'Cancel' buttons.

Central Administration

Welcome System Account

Home Operations **Application Management** Site Actions

Central Administration > Application Management > Create or Extend Web Application > Create New Web Application

Create New Web Application

Use this page to create a new Windows SharePoint Services Web application. [Learn about creating or extending Web applications.](#)

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

IIS Web Site

Choose between using an existing IIS web site or create a new one to serve the Windows SharePoint Services application.

☐ Use an existing IIS web site

Default Web Site

☒ Create a new IIS web site

Description: SharePoint - 5001

Port: 5001

Host Header:

Path: C:\Inetpub\wwwroot\wss\VirtualDirect

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

Authentication provider:

☐ Negotiate (Kerberos)

☒ NTLM

Server Farm Configuration Not Complete

See [administrator task list](#) for more information

View All Site Content

Central Administration

- Operations
- Application Management

Shared Services Administration

Recycle Bin

Now that the SSP web site port is changed return to the *Description* field and modify the description to reflect the new port as shown above.

When complete, scroll down the page for more options.

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The screenshot shows the 'Security Configuration' wizard for SharePoint. It is divided into three main sections on the right, each with explanatory text on the left.

- Security Configuration:** Explains that Kerberos is recommended but NTLM is selected. It also notes that SSL requires a certificate.
- Load Balanced URL:** Explains the URL format. The input field shows 'http://SERVER01:5001' and the zone is set to 'Default'.
- Application Pool:** Explains the purpose of the application pool. The 'Create new application pool' option is selected, with the name 'SharePoint - 5001' and the security account 'Network Service'.

On the right side of the wizard:

- Authentication provider:** ☒ NTLM, ☐ Negotiate (Kerberos)
- Allow Anonymous:** ☒ No, ☐ Yes
- Use Secure Sockets Layer (SSL):** ☒ No, ☐ Yes
- URL:**
- Zone:**
- Application Pool:** ☐ Use existing application pool (DefaultAppPool (Network Service)), ☒ Create new application pool
- Application pool name:**
- Select a security account for this application pool:** ☐ Predefined (Network Service), ☒ Configurable

Unless you have Kerberos configured on your network leave the *Authentication provider* set to NTLM. It is also recommended that you leave the *Allow Anonymous* and *Use Secure Sockets layer (SSL)* options set to *No*.

The URL in the *Load Balanced URL* section should reflect the port number you selected above. If not simply click in the field to update it.

Scroll down the page to continue.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

The screenshot shows the 'Application Pool' configuration screen in the SharePoint Server installation wizard. The screen is divided into three main sections: 'Application Pool', 'Reset Internet Information Services', and 'Database Name and Authentication'.

Application Pool: This section explains that the application pool defines the account and credentials for the new web application. It offers two options: 'Use existing application pool' (with a dropdown menu showing 'DefaultAppPool (Network Service)') and 'Create new application pool' (selected). Under 'Create new application pool', the 'Application pool name' is set to 'SharePoint - 5001'. It also allows selecting a security account: 'Predefined' (with a dropdown showing 'Network Service') or 'Configurable' (selected). Under 'Configurable', the 'User name' is 'administrator' and the 'Password' is masked with dots.

Reset Internet Information Services: This section explains that it allows SharePoint to restart IIS on other farm servers. It offers two options: 'Restart IIS Automatically' (selected) and 'Restart IIS Manually'.

Database Name and Authentication: This section explains that it uses the default database server and name. It has two fields: 'Database Server' (set to 'SERVER01') and 'Database Name' (set to 'WSS_Content').

It is recommended that you create a new application pool for the SSP. It is recommended that the name of the pool reflect the port you have chosen for the SSP previously. You will also need to configure a user name and password for this pool.

Select the option to *Restart IIS Automatically*.

Scroll down the screen for further choices.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

Reset Internet Information Services
Use this section to allow SharePoint to restart IIS on other farm servers. The local server must be restarted manually for the process to complete. If this option is not selected and you have more than one server in the farm, you must wait until the IIS web site is created on all servers, and then run "isreset /noforce" on each Web server. The new IIS site will not be usable until that is completed.

☒ Restart IIS Automatically
☐ Restart IIS Manually

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
SERVER01

Database Name
WSS_Content

Database authentication
☒ Windows authentication (recommended)
☐ SQL authentication

Account
Password

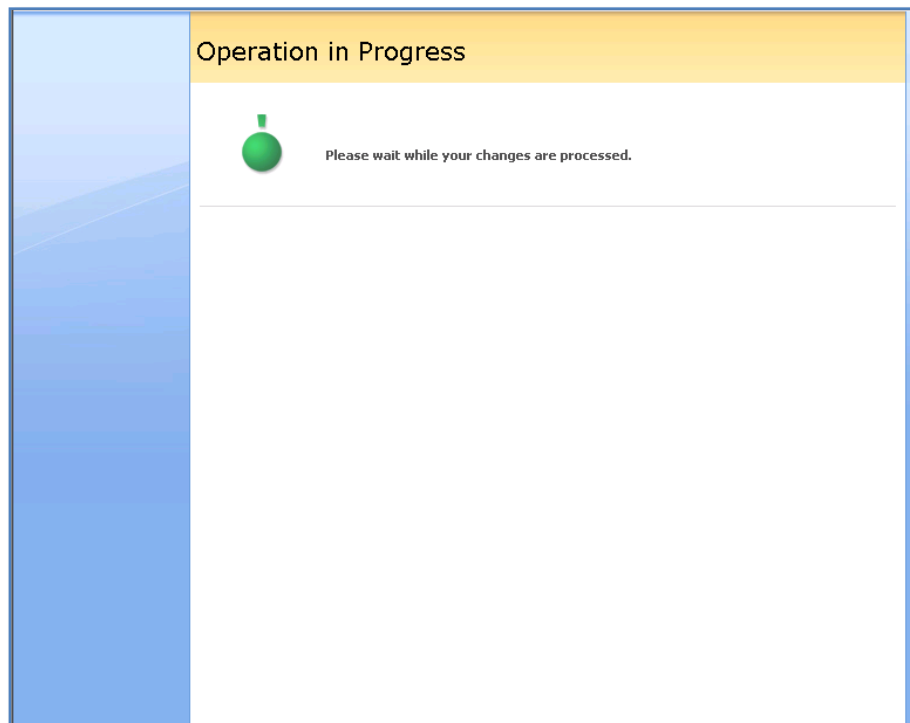
Search Server
Search service is provided by:
Office SharePoint Server Search

OK Cancel

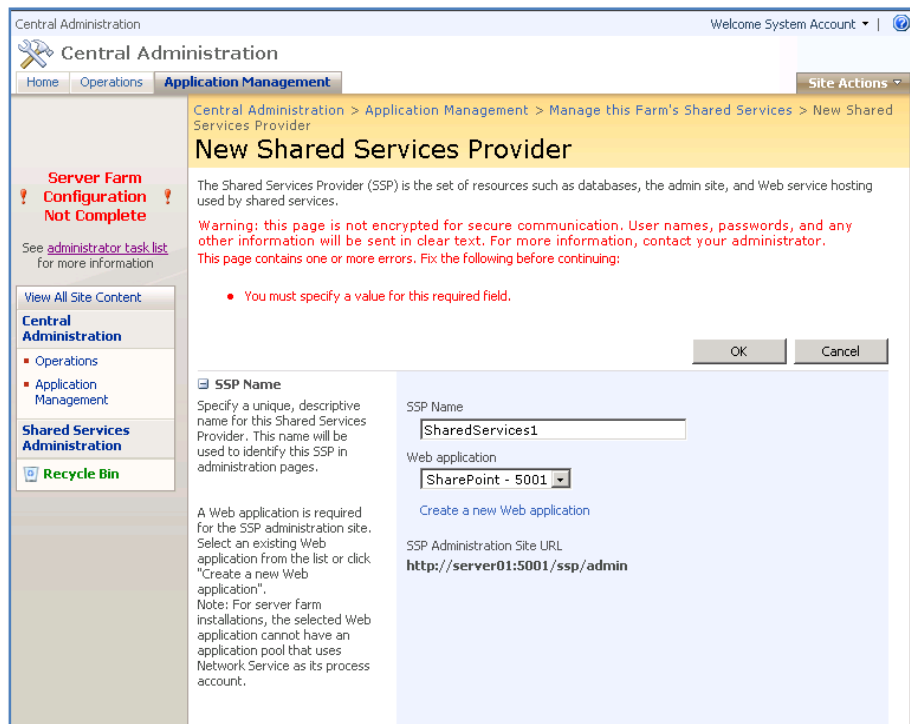
Enter the database server and database name for the SSP. By default the Database name will show WSS_Content. It is recommended that you change this to something that better reflects the fact that it will be hosting SSP information.

When complete press the **OK** button to proceed.

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The SSP web site will now be created according to parameters you just defined.



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You will now be returned to the *New Shared Services Provider* screen. You should now see that the Web application that has been assigned to the SSP is the one you just created (in this case SharePoint – 5001).

Scroll down the screen for more options.

My Site Location
A Web application is required for My Sites. This Web application will be used to host personal sites and profile pages. To use an existing Web application, select from the Web applications in the drop down list. If a new Web application is needed, select the "Create a new Web application" link. We recommend using a different Web application than the one used for the SSP administration site, so that you can backup and restore My Sites independently.
To host My Sites at a location other than the root, change the Relative URL.

Web application
SharePoint - 5001
[Create a new Web application](#)

My Site Location URL
http://server01:5001/
Relative URL
/

SSP Service Credentials
Specify the credentials for the SSP Web services to use for inter-server communication and for running SSP-scoped timer jobs.

Username

You must specify a value for this required field.
Password

SSP Database
Each SSP requires a database for service specific data.
Use of the default database server and database name is recommended for most cases. Refer to the Office SharePoint Server TechCenter on TechNet for advanced scenarios where specifying database

Database Server
SERVER01
Database Name
SharedServices1_DB
Database authentication
☒ Windows authentication (recommended)

You now need to create another web application to host the users' personal *My Sites*.

It is recommended that you again create a separate web application to host this. To do this click on the link *Create a new Web application*.

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Central Administration

Welcome System Account

Home Operations **Application Management** Site Actions

Central Administration > Application Management > Create or Extend Web Application > Create New Web Application

Create New Web Application

Use this page to create a new Windows SharePoint Services Web application. [Learn about creating or extending Web applications.](#)

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

Server Farm Configuration Not Complete

See [administrator task list](#) for more information

View All Site Content

Central Administration

- Operations
- Application Management

Shared Services Administration

- Recycle Bin

IIS Web Site

Choose between using an existing IIS web site or create a new one to serve the Windows SharePoint Services application.

If you select an existing IIS web site, that web site must exist on all servers in the farm and have the same description, 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

Description: SharePoint - 14148

Port: 14148

Host Header:

Path: C:\inetpub\wwwroot\wss\VirtualDirect

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

Authentication provider:

- ☐ Negotiate (Kerberos)
- ☒ NTLM

You will be returned to the *Create New Web Application* screen. This time you will notice that the port has defaulted to a random value. It is recommended that you change to something that is easy to remember.

Central Administration

Welcome System Account

Home Operations **Application Management** Site Actions

Central Administration > Application Management > Create or Extend Web Application > Create New Web Application

Create New Web Application

Use this page to create a new Windows SharePoint Services Web application. [Learn about creating or extending Web applications.](#)

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

Server Farm Configuration Not Complete

See [administrator task list](#) for more information

View All Site Content

Central Administration

- Operations
- Application Management

Shared Services Administration

- Recycle Bin

IIS Web Site

Choose between using an existing IIS web site or create a new one to serve the Windows SharePoint Services application.

If you select an existing IIS web site, that web site must exist on all servers in the farm and have the same description, 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

Description: SharePoint - 5002

Port: 5002

Host Header:

Path: C:\inetpub\wwwroot\wss\VirtualDirect

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

Authentication provider:

- ☐ Negotiate (Kerberos)
- ☒ NTLM

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In this case the port has been changed to 5002. It is best practice to also make sure that the *Description* field provides matching information about the port so make any changes that are necessary before continuing.

Scroll down the page to view more options.

The screenshot shows the 'Security Configuration' page for SharePoint. It is divided into three main sections on the left and a configuration area on the right.

- Security Configuration:** Explains that Kerberos is the recommended security configuration. It notes that NTLM authentication will work with any application pool account and the default domain configuration. It also states that if Secure Sockets Layer (SSL) is used, a certificate must be added to each server using the IIS administration tools.
- Load Balanced URL:** Explains that the load balanced URL is the domain name for all sites users will access in this SharePoint Web application. It notes that the 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.
- Application Pool:** Explains that the application pool is used for the new web application. It defines the account and credentials that will be used by this service. It notes that you can choose an existing application pool or create a new one.

The configuration area on the right contains the following settings:

- Authentication provider:** ☒ NTLM (selected), ☐ Negotiate (Kerberos).
- Allow Anonymous:** ☒ No (selected), ☐ Yes.
- Use Secure Sockets Layer (SSL):** ☒ No (selected), ☐ Yes.
- URL:** .
- Zone:** .
- Use existing application pool:** ☐ (selected), ☒ Create new application pool.
- Application pool name:** .
- Select a security account for this application pool:** ☐ Predefined (selected), ☒ Configurable.
- Predefined account:** .

Again, generally leave the *Authentication provider* set to NTLM, *Allow Anonymous* and *Use Secure Sockets Layer (SSL)* set to No. The *Load Balanced URL* should reflect the value of the port you selected above. If not simply click in the field and it should automatically update.

Scroll down for more options.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

The screenshot shows the 'Application Pool' configuration window. On the left, there is a sidebar with three sections: 'Application Pool', 'Reset Internet Information Services', and 'Database Name and Authentication'. The main area on the right is divided into three sections. The top section, 'Application Pool', has two radio buttons: 'Use existing application pool' (selected) and 'Create new application pool'. Below the 'Create new application pool' option, there is a text box for 'Application pool name' containing 'SharePoint - 5002'. Below that, there is a section for 'Select a security account for this application pool' with two radio buttons: 'Predefined' (selected) and 'Configurable'. Below 'Predefined' is a dropdown menu showing 'Network Service'. Below 'Configurable' are text boxes for 'User name' and 'Password'. The middle section, 'Reset Internet Information Services', has two radio buttons: 'Restart IIS Automatically' (selected) and 'Restart IIS Manually'. The bottom section, 'Database Name and Authentication', has text boxes for 'Database Server' containing 'SERVER01' and 'Database Name' containing 'WSS_Content_fa36d03adeab4798bce2'.

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.	<input type="radio"/> Use existing application pool DefaultAppPool (Network Service) <input checked="" type="radio"/> Create new application pool Application pool name SharePoint - 5002 Select a security account for this application pool <input type="radio"/> Predefined Network Service <input checked="" type="radio"/> Configurable User name Password
Reset Internet Information Services Use this section to allow SharePoint to restart IIS on other farm servers. The local server must be restarted manually for the process to complete. If this option is not selected and you have more than one server in the farm, you must wait until the IIS web site is created on all servers, and then run "iisreset /noforce" on each Web server. The new IIS site will not be usable until that is completed.	<input checked="" type="radio"/> Restart IIS Automatically <input type="radio"/> Restart IIS Manually
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	Database Server SERVER01 Database Name WSS_Content_fa36d03adeab4798bce2

It is recommended that you create a new application pool for this web site. Enter a suitable user name and password into the Configuration fields.

Select the option to *Restart IIS Automatically*.

Scroll down the screen for more options.

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The screenshot shows a dialog box titled 'Reset Internet Information Services'. It is divided into three main sections. The top section, 'Reset Internet Information Services', contains instructions and two radio buttons: 'Restart IIS Automatically' (selected) and 'Restart IIS Manually'. The middle section, 'Database Name and Authentication', contains instructions, a 'Database Server' text box with 'SERVER01', a 'Database Name' text box with 'WSS_Content_fe36d03edeab4798bce2', and two radio buttons for 'Database authentication': 'Windows authentication (recommended)' (selected) and 'SQL authentication'. Below these are 'Account' and 'Password' text boxes. The bottom section, 'Search Server', shows 'Search service is provided by: Office SharePoint Server Search'. At the bottom right are 'OK' and 'Cancel' buttons.

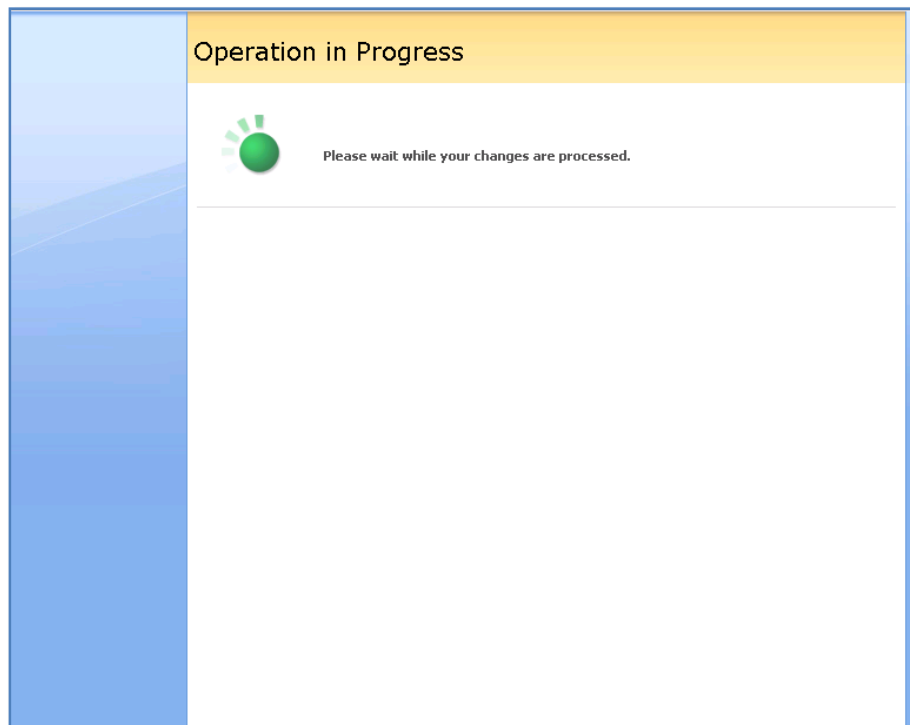
Reset Internet Information Services Use this section to allow SharePoint to restart IIS on other farm servers. The local server must be restarted manually for the process to complete. If this option is not selected and you have more than one server in the farm, you must wait until the IIS web site is created on all servers, and then run "isreset /noforce" on each Web server. The new IIS site will not be usable until that is completed.	<input checked="" type="radio"/> Restart IIS Automatically <input type="radio"/> Restart IIS Manually
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 [SERVER01] Database Name [WSS_Content_fe36d03edeab4798bce2] Database authentication <input checked="" type="radio"/> Windows authentication (recommended) <input type="radio"/> SQL authentication Account [] Password []
Search Server	Search service is provided by: Office SharePoint Server Search

OK Cancel

Now enter a *Database Server* and *Database Name*. You will probably see that the database name has been pre-populated with the name WSS_Content_<random characters>. It is recommended that you change the database name to something that is shorter and also better describes the purpose of this database.

When complete press the **OK** button to continue.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003



The web site will be configured with the settings you just made.

My Site Location A Web application is required for My Sites. This Web application will be used to host personal sites and profile pages. To use an existing Web application, select from the Web applications in the drop down list. If a new Web application is needed, select the "Create a new Web application" link. We recommend using a different Web application than the one used for the SSP administration site, so that you can backup and restore My Sites independently. To host My Sites at a location other than the root, change the Relative URL.	Web application [SharePoint - 5002] Create a new Web application My Site Location URL http://server01:5002/ Relative URL /
SSP Service Credentials Specify the credentials for the SSP Web services to use for inter-server communication and for running SSP-scoped timer jobs.	Username administrator You must specify a value for this required field. Password
SSP Database Each SSP requires a database for service specific data. Use of the default database server and database name is recommended for most cases. Refer to the Office SharePoint Server TechCenter on TechNet for advanced scenarios where specifying database	Database Server [SERVER01] Database Name [SharedServices1_DB] Database authentication <input checked="" type="radio"/> Windows authentication (recommended)

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

You will again be returned to the *New Shared Services Provider* screen. You should see that the new web site you just created (SharePoint – 5002 in this case) has been assigned to My Sites.

Next enter the user credentials for the SSP Service.

Scroll down the page to view more options.

The screenshot displays a configuration interface for SharePoint services, divided into two main sections: **SSP Database** and **Search Database**. Each section includes a left-hand column with explanatory text and a right-hand column with input fields for configuration.

SSP Database Section:

- Left Column:** Contains text explaining that each SSP requires a database for service-specific data, recommends the default database server and name, and strongly recommends Windows authentication over SQL authentication.
- Right Column:** Includes input fields for **Database Server** (SERVER01), **Database Name** (SharedServices1_DB), and **Database authentication** (radio buttons for Windows authentication (recommended) and SQL authentication). Below these are fields for **Account** and **Password**.

Search Database Section:

- Left Column:** Contains text explaining that a separate search database is required for frequently changing search data, recommends the default database server and name, and strongly recommends Windows authentication over SQL authentication.
- Right Column:** Includes input fields for **Database Server** (SERVER01), **Database Name** (SharedServices1_Search_DB), and **Database authentication** (radio buttons for Windows authentication (recommended) and SQL authentication). Below these are fields for **Account** and **Password**.

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

Index Server
Select the index server which will crawl content in all Web applications associated with this SSP.
Specify the path on the index server where the indexes will be located.
Note: Changing the index server will reset the index. To move the index without a reset STSAdm must be used.

SSL for Web Services
Use Secure Sockets Layer (SSL) to protect communications to and from Web services.
Note: If you choose to use SSL, you must add the certificate on each server using the IIS administration tool. Until this is done, the Web services will not be available.

Password

Index Server
SERVER01

Path for index file location
C:\Program Files\Microsoft Office Serv

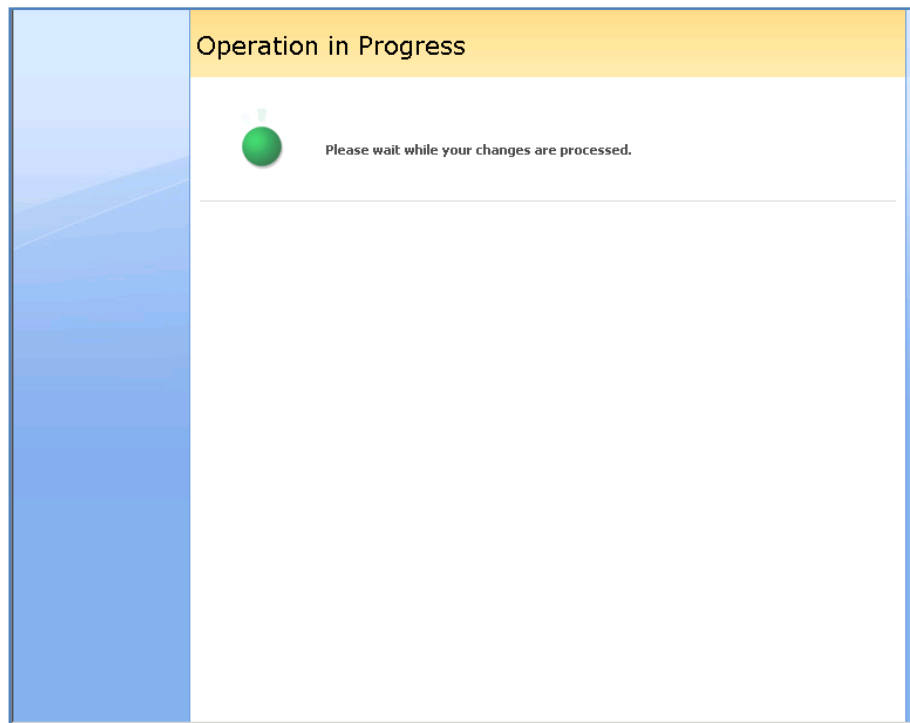
Use Secure Sockets Layer (SSL)
☐ Yes
☒ No

OK Cancel

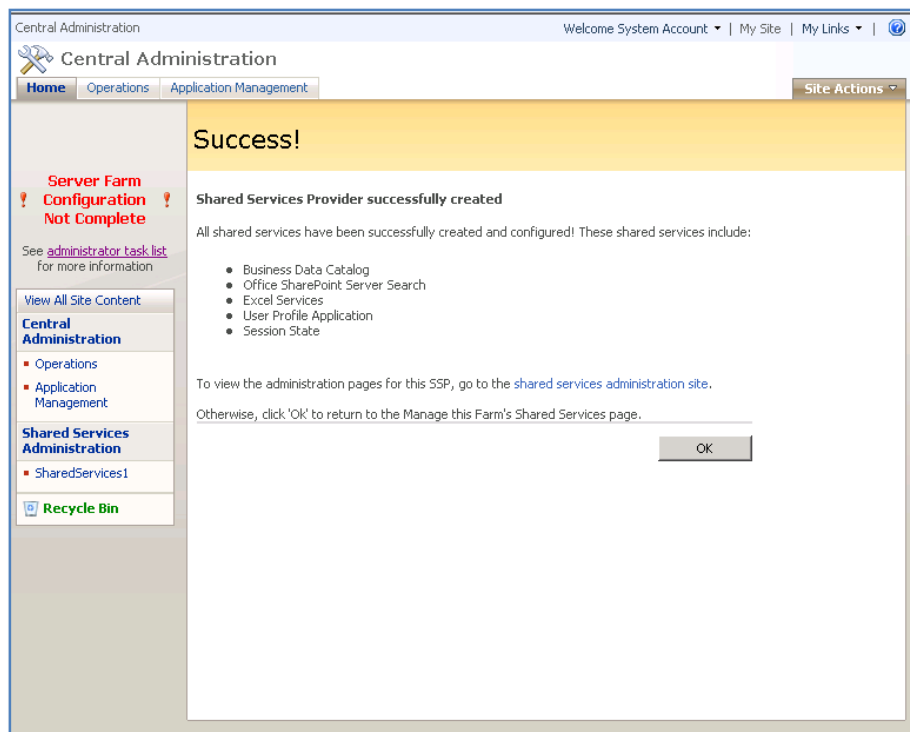
Now select an index server. You will only be able to select from multiple Index servers if there are multiple servers in your farm.

Select *No* for SSL and press the **OK** button to create the SSP.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

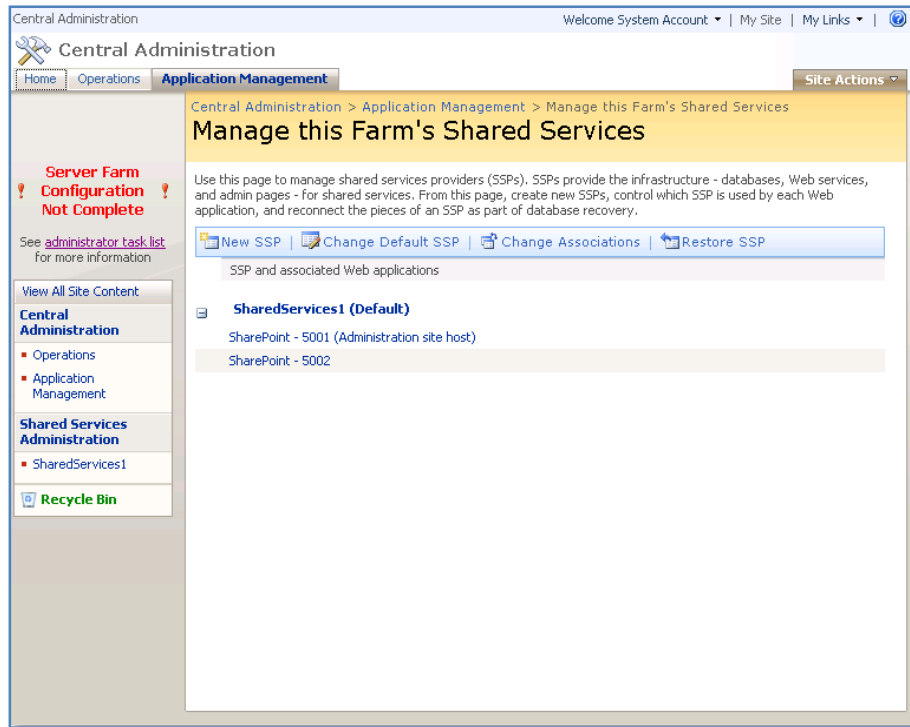


The SSP will now be created using the configuration you have just defined. This will now create and start the SSP. This step may take several minutes to complete.



Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

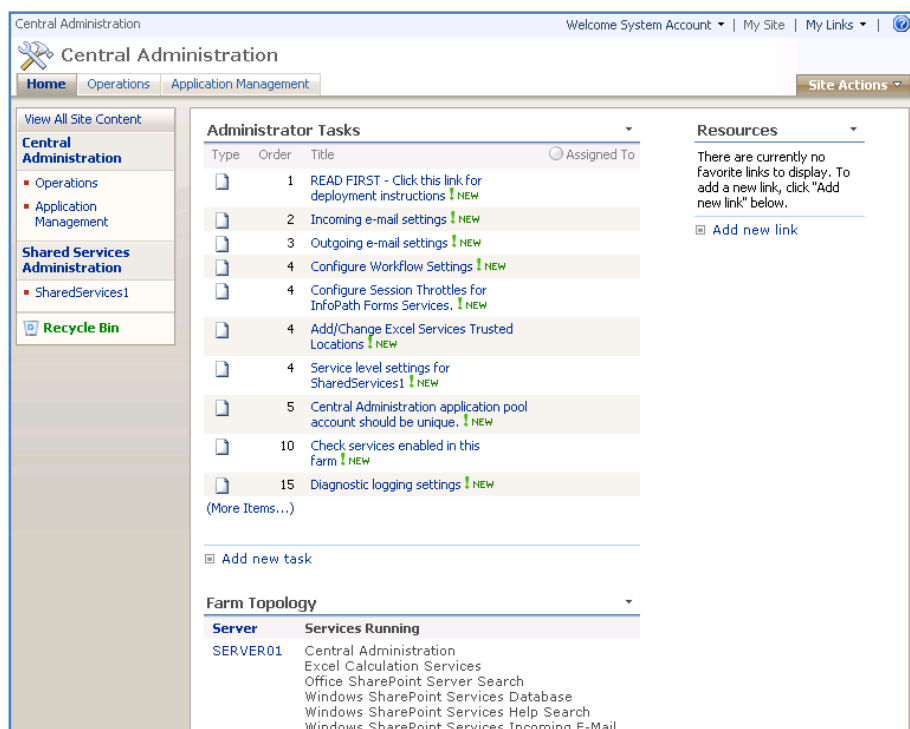
If the process is successful you should now see a screen like that shown above. Press the **OK** button to continue.



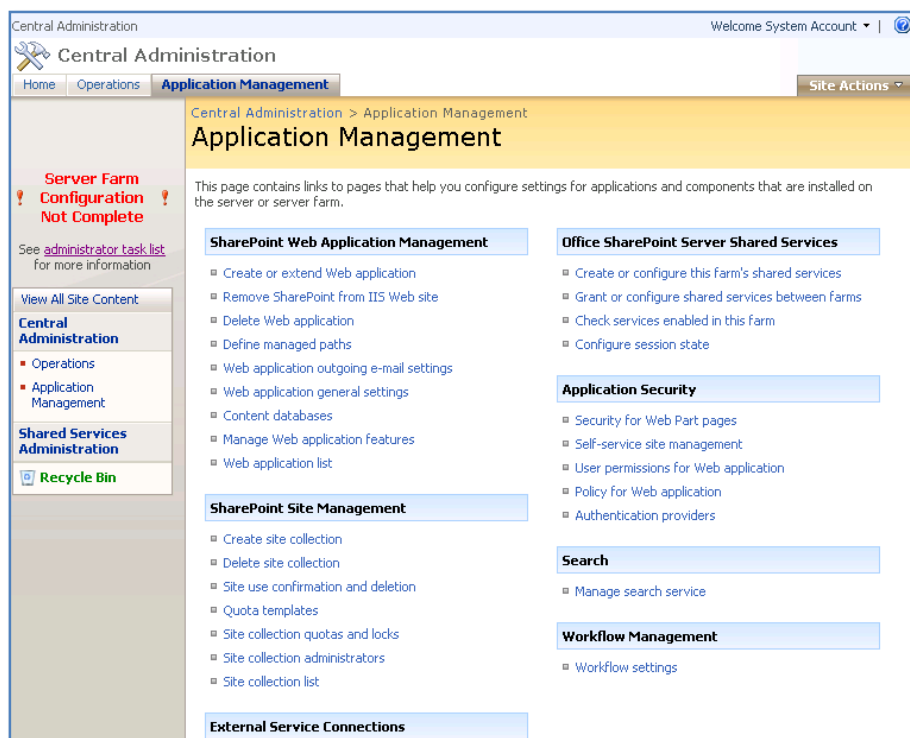
This will now show you a summary of the SSP which has 2 web applications.

Select the **Home** tab in the top left of the screen to return to the *Central Administration Home* page.

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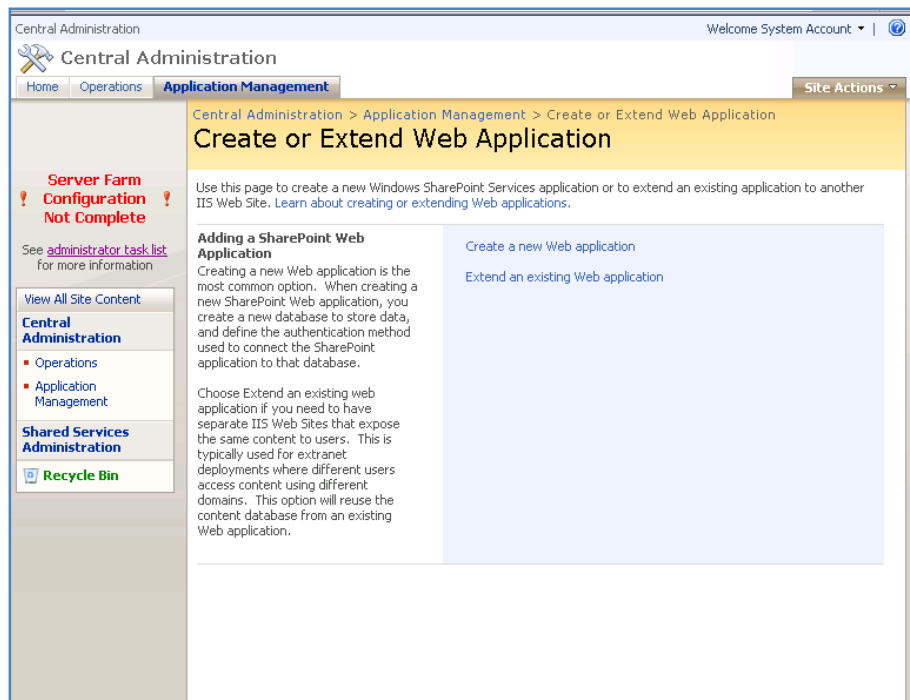


It is now necessary to create the portal web site. Select **Application Management** from the tab across the top of the *Central Administration* console.



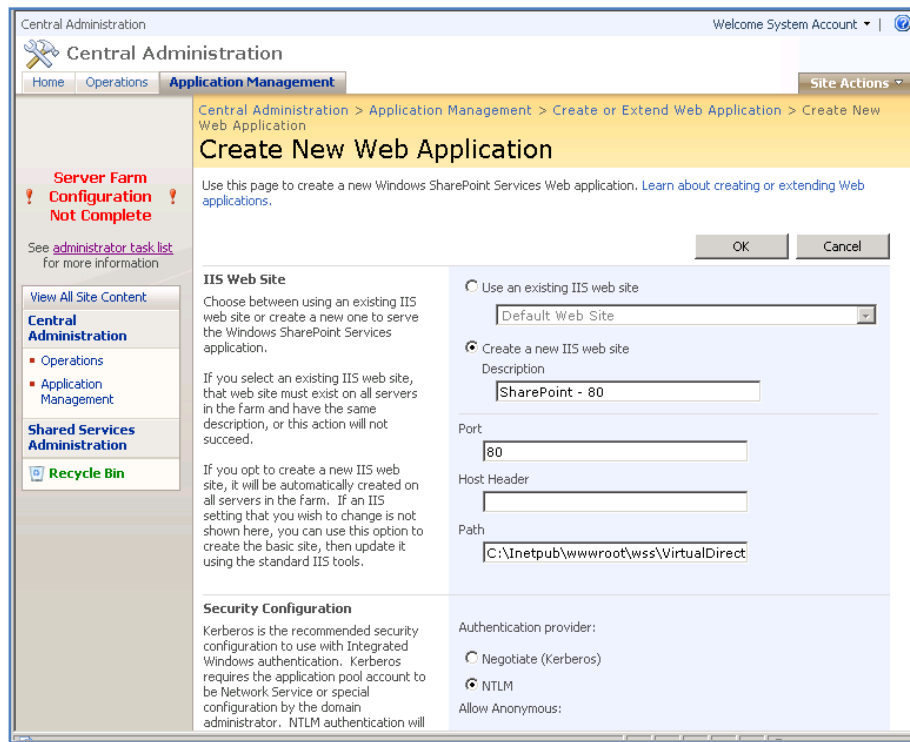
Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

Select **Create or extend web application** in the *SharePoint Web Application Management* section.



Click **Create a new web application**.

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You will now see the familiar *Create New Web Application* page. You can select any port that you desire for this application but if you wish to have the portal display on Port 80 then with select that port value or select Use an existing web site and select the Default web site.

Scroll down the screen for more choices.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

The screenshot shows the 'Security Configuration' wizard for SharePoint. It is divided into three main sections on the left and their corresponding configuration options on the right.

- Security Configuration:** Explains that Kerberos is the recommended security configuration for use with Integrated Windows authentication. It notes that 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. It also states that 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.
- Load Balanced URL:** Explains that the load balanced URL is the domain name for all sites 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.
- Application Pool:** Explains that you choose the application pool to use for the new web application. This defines the account and credentials that will be used by this service. It also notes that you can choose an existing application pool or create a new one.

On the right side, the configuration options are as follows:

- Authentication provider:** Radio buttons for ☐ Negotiate (Kerberos) and ☒ NTLM.
- Allow Anonymous:** Radio buttons for ☐ Yes and ☒ No.
- Use Secure Sockets Layer (SSL):** Radio buttons for ☐ Yes and ☒ No.
- URL:** Text box containing 'http://SERVER01:80/'.
- Zone:** Dropdown menu set to 'Default'.
- Application Pool:** Radio buttons for ☐ Use existing application pool and ☒ Create new application pool.
- Use existing application pool:** Dropdown menu showing 'DefaultAppPool (Network Service)'.
- Create new application pool:** Text box for 'Application pool name' containing 'SharePoint - 80'.
- Select a security account for this application pool:** Radio buttons for ☐ Predefined and ☒ Configurable.
- Predefined:** Dropdown menu showing 'Network Service'.
- Configurable:** Text box for 'User name' (partially visible).

Unless your network is configured to support Kerberos authentication leave the *Authentication Provider* set as *NTLM*. It is also recommended that you leave *Allow Anonymous* set to *No* and *Use Secure Socket Layer (SSL)* also set to *No*.

Scroll down the screen for more options.

Chapter 3 – Installing Microsoft Office SharePoint Server onto Windows Server 2003

The screenshot shows the SharePoint Server installation wizard with three main sections:

- 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.
 - Options:
 - ☐ Use existing application pool (Dropdown: DefaultAppPool (Network Service))
 - ☒ Create new application pool
 - Application pool name: SharePoint - 80
 - Select a security account for this application pool:
 - ☐ Predefined (Dropdown: Network Service)
 - ☒ Configurable
 - User name: [Empty field]
 - Password: [Empty field]
- Reset Internet Information Services**:
 - Use this section to allow SharePoint to restart IIS on other farm servers. The local server must be restarted manually for the process to complete. If this option is not selected and you have more than one server in the farm, you must wait until the IIS web site is created on all servers, and then run "isreset /noforce" on each Web server. The new IIS site will not be usable until that is completed.
 - Options:
 - ☐ Restart IIS Automatically
 - ☒ Restart IIS Manually
- 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 options.
 - Database Server: server01
 - Database Name: WSS_Content

In the *Application Pool* section it is best practice to create a separate pool. Click **Create new application pool** and enter the user account details.

Select the option to *Restart IIS Automatically*. If you do so remember that people using IIS on this machine will have their operations interrupted as IIS restarts.

Scroll down the screen for further options.

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The screenshot shows a Windows installation wizard window with a light blue background. It is divided into two main columns. The left column contains instructional text, and the right column contains configuration options and input fields.

Reset Internet Information Services
Use this section to allow SharePoint to restart IIS on other farm servers. The local server must be restarted manually for the process to complete. If this option is not selected and you have more than one server in the farm, you must wait until the IIS web site is created on all servers, and then run "isreset /noforce" on each Web server. The new IIS site will not be usable until that is completed.

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.

Search Server

Database Server:

Database Name:

Database authentication:
☒ Windows authentication (recommended)
☐ SQL authentication
Account:
Password:

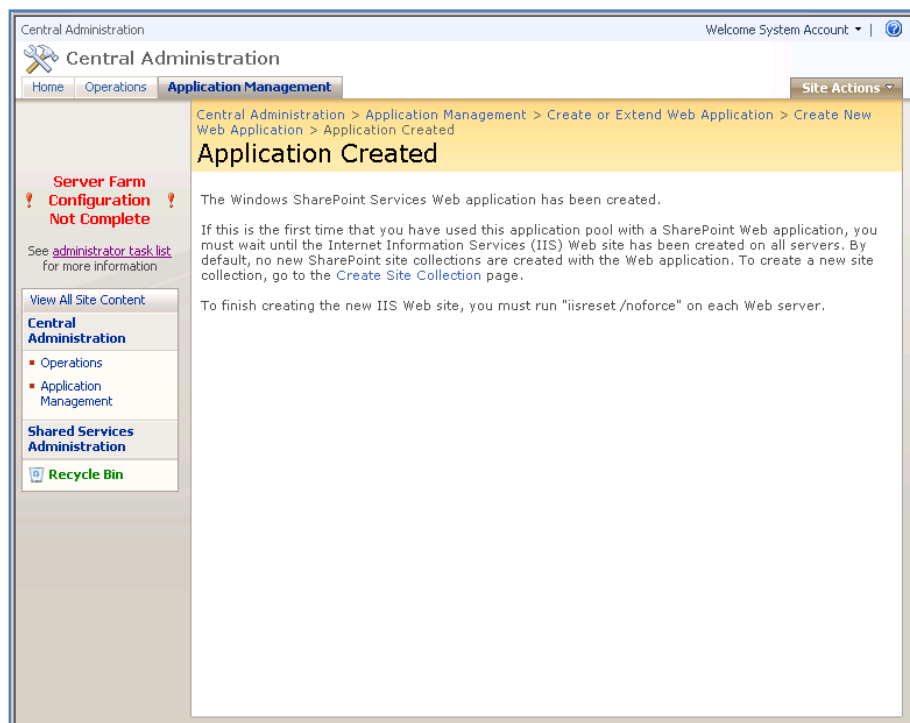
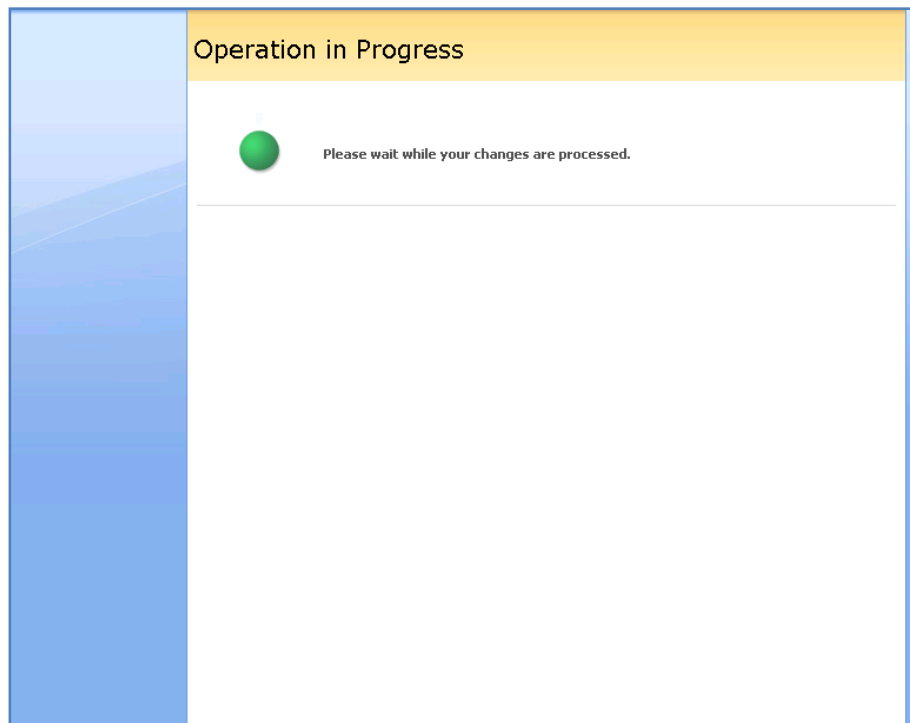
Search service is provided by:
Office SharePoint Server Search

At the bottom right, there are two buttons: **OK** and **Cancel**.

In the *Database name and Authentication* section, you will see the default Database Name for this web application. Since this will be the database used for storing user web sites it should have a name that is easy to recognize. Change it to something that is meaningful.

Click **OK** to save the configuration and create the new web application.

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Now that web application has been completed you will need create the site collection. To do this click the *Create Site Collection* link on the page that is displayed or click **Create**

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Site Collection in the *SharePoint Site Management* section on the *Application Management* page.

The screenshot shows the 'Create Site Collection' page in the Central Administration console. The page is titled 'Create Site Collection' and includes a warning message: 'Server Farm Configuration Not Complete'. The page is divided into several sections: 'Web Application' (with a dropdown menu set to 'http://server01/'), 'Title and Description' (with fields for 'Title' and 'Description'), 'Web Site Address' (with a 'URL' field set to 'http://server01/'), and 'Template Selection' (with a list of templates including 'Team Site', 'Blank Site', 'Document Workspace', 'Wiki Site', and 'Blog'). The 'Template Selection' section is highlighted with a yellow background.

Ensure that the web application you just created above is shown. If not you can click on it to change.

Enter the *Title* for the portal and a *Description*.

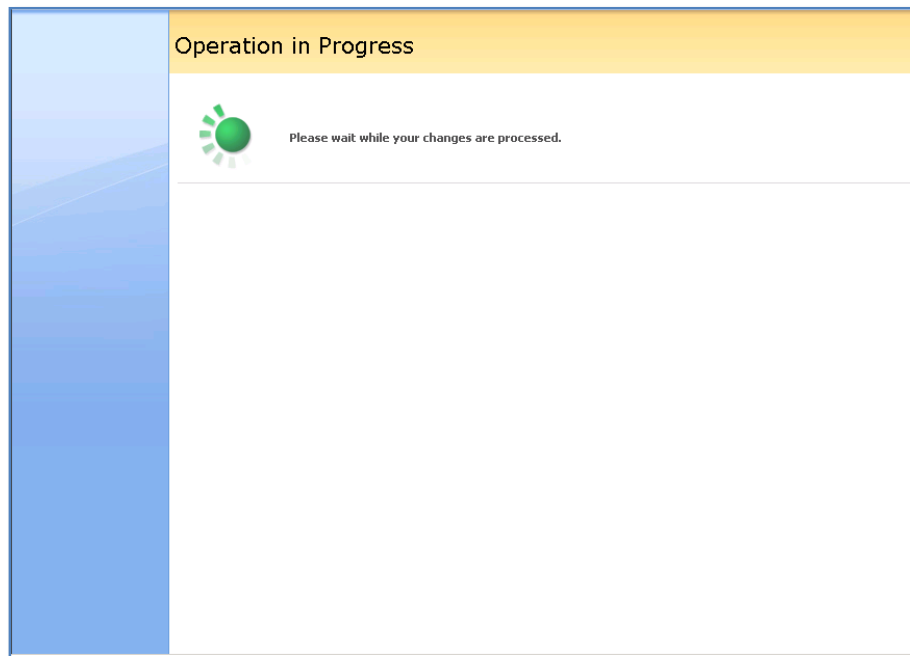
The screenshot shows the 'Define Managed Paths' page in the Central Administration console. The page is titled 'Define Managed Paths' and includes a warning message: 'To add a new URL path go to the Define Managed Paths page.' The page is divided into several sections: 'Template Selection' (with a list of templates including 'Collaboration Portal' and 'Publishing Portal'), 'Primary Site Collection Administrator' (with a 'User name' field set to 'administrator'), 'Secondary Site Collection Administrator' (with a 'User name' field), and 'Quota Template' (with a 'Select a quota template' dropdown set to 'No Quota'). The 'Template Selection' section is highlighted with a blue background.

In the *Template* section click on the **Publishing** tab and select **Collaboration Portal**.

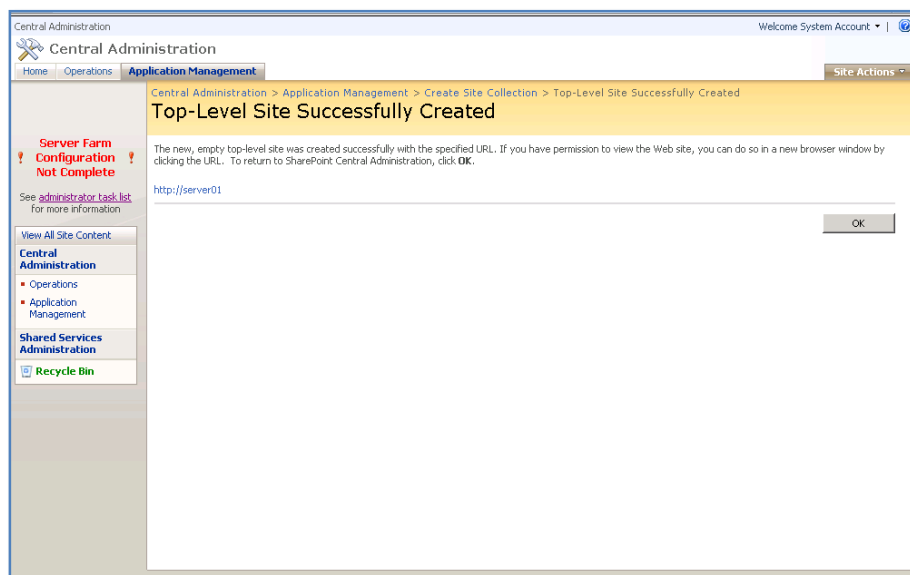
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In the *Primary Site Collection Administrator* section, enter the user account that will be the full administrator for this site collection. You can also enter details for a secondary site collection administrator if desired.

Click **OK** to close the page and start creating this site collection. This process may take a few minutes to complete.

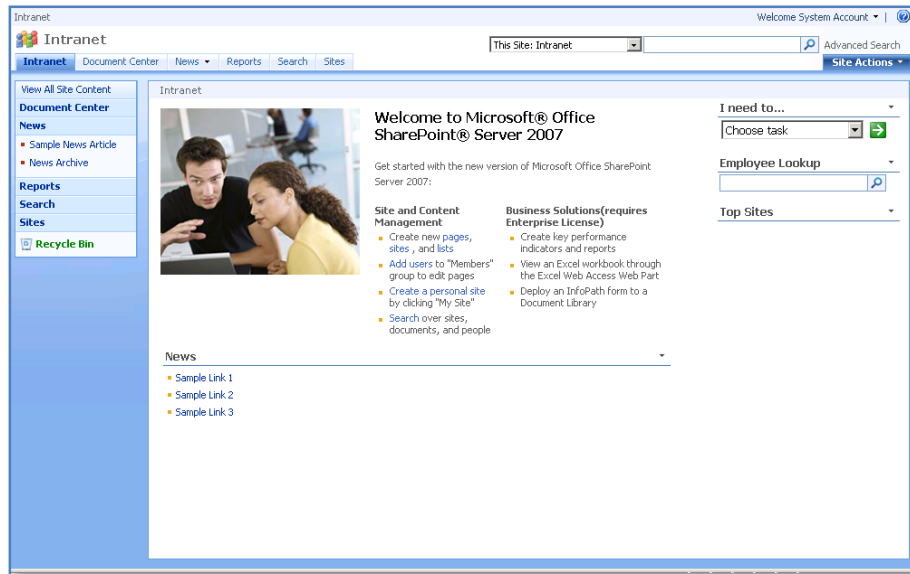


When the process is complete you will have created a new Portal site on Port 80.



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To view the new portal site simply click on the link that is provided in the above screen or enter the name of the server in a new browser window.



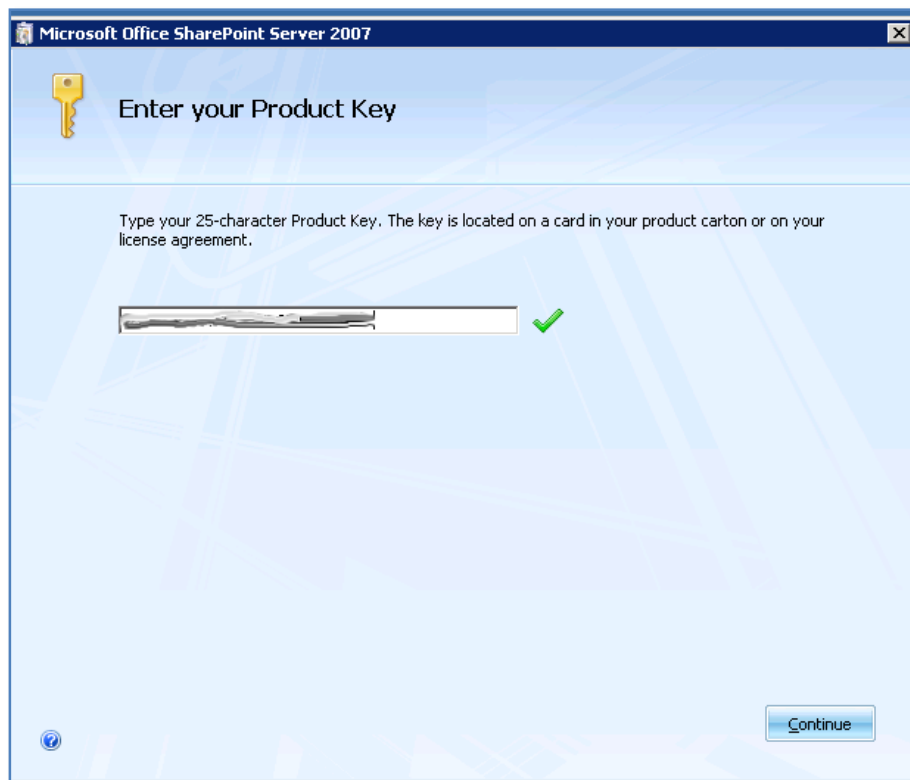
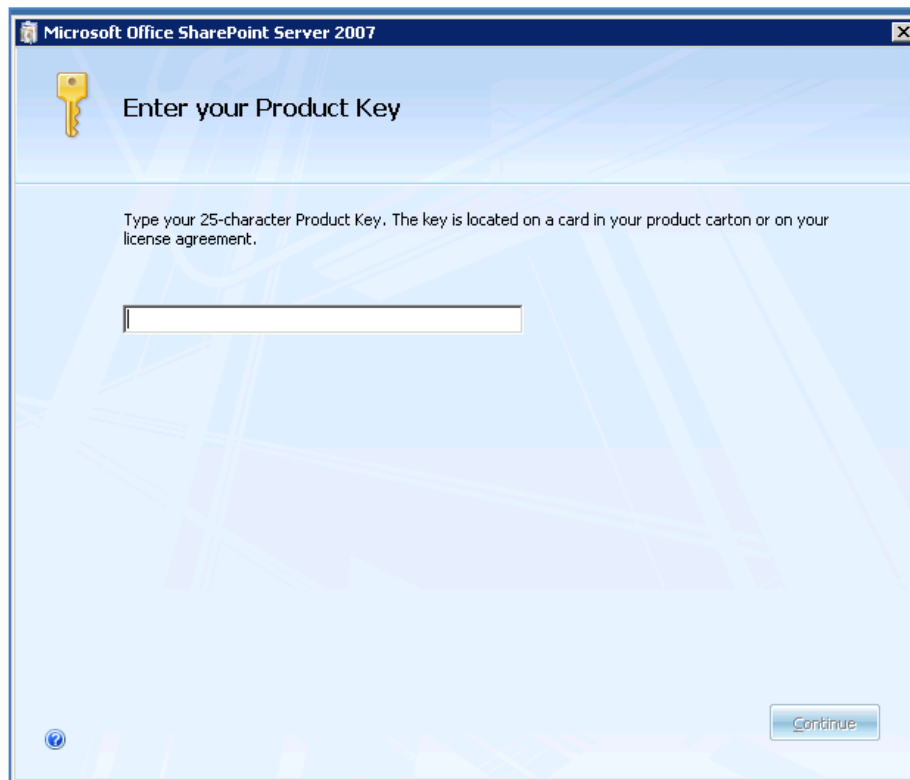
The MOSS site is now ready for use.

Default Installation

After meeting all the server prerequisites and having the MOSS media, log into the Windows Server as an administrator. Commence the installation by inserting the MOSS media.

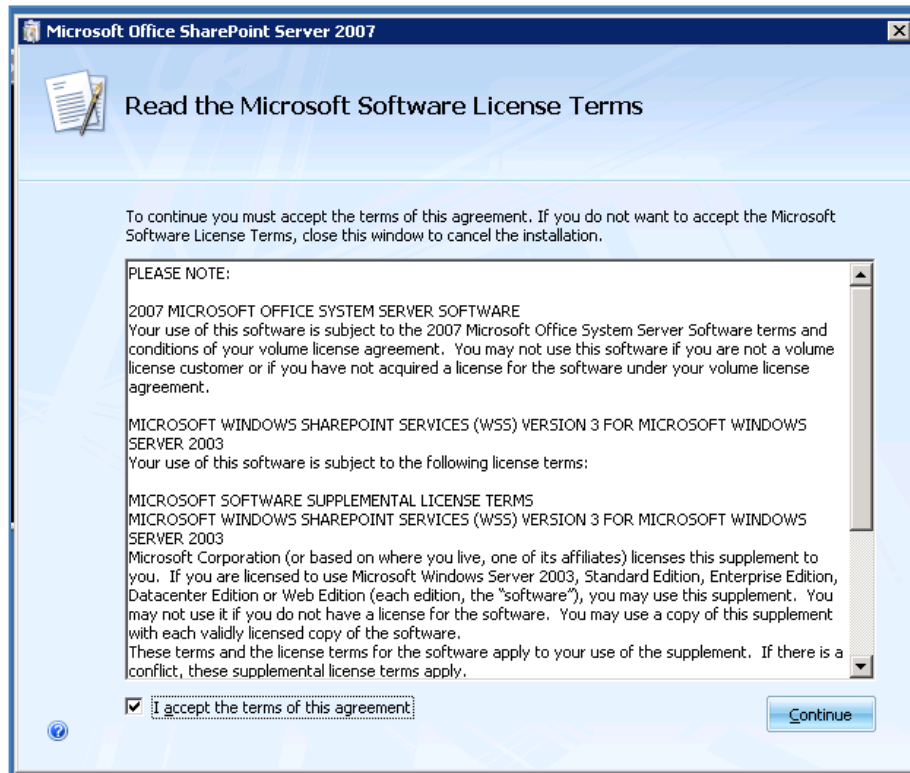
Once the setup files have been extracted you will be prompted to enter a product key for MOSS. The key that you enter here determines whether the MOSS installation is the Standard or Enterprise version. It is also important to keep in mind that it is only possible to upgrade from the Standard edition to the Enterprise edition and not the reverse (i.e. you have to do a reinstallation if you want to downgrade from MOSS Enterprise to MOSS standard).

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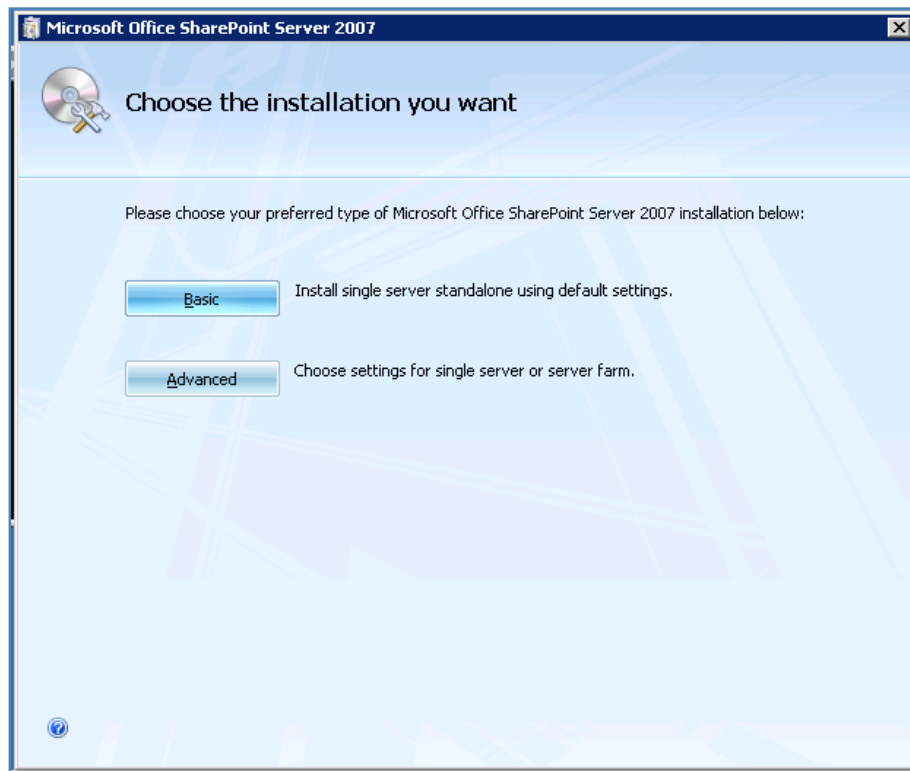
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Once the key is entered correctly you should receive a green tick like that shown above. Click the **Continue** button.



The next window displayed will be the Microsoft Software License Terms. After reviewing this, check – *I accept the terms of this agreement* in the lower left of the windows and press the **Continue** button.

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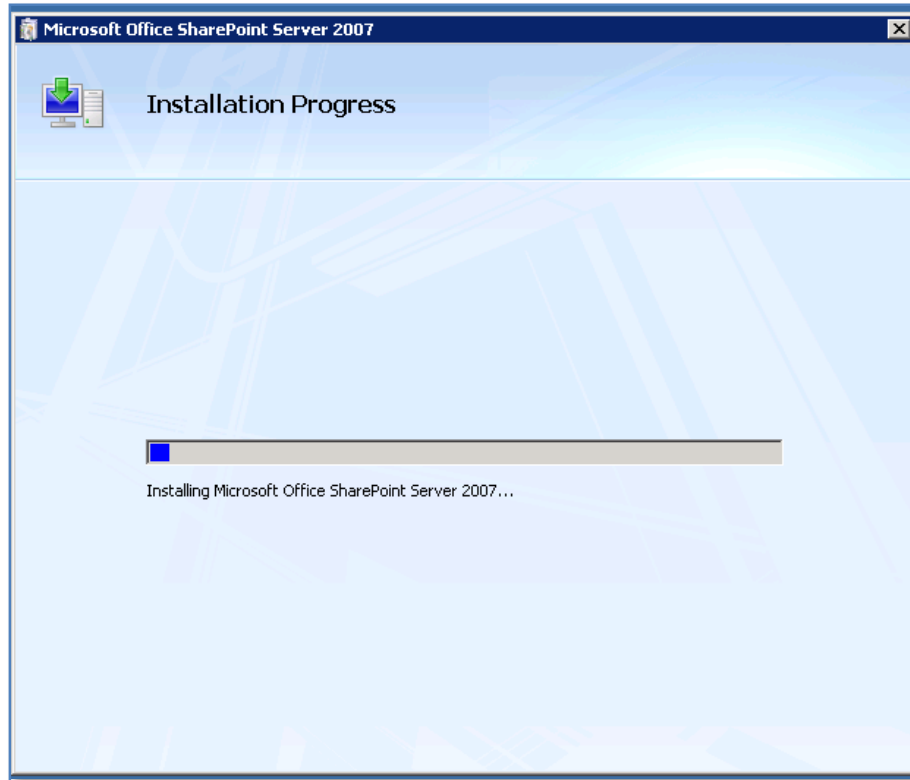


To complete a default MOSS installation click the BASIC button but remember the following items will automatically be configured:

- a. Install SharePoint programs into *c:\program files\common files\Microsoft shared\web server extensions\12\data*.
- b. Install MOSS specific programs into *c:\program files\Microsoft Office Servers\12.0*
- c. Install Microsoft SQL Server 2005 Express Edition as the MOSS storage option and install this automatically to *c:\program files\Microsoft SQL Server*. It will also install the MOSS databases in *c:\program files\Microsoft Office Servers\12.0\data\mssql.1\mssql\data*.
- d. Configure a MOSS web site on port 80.
- e. Configure a MOSS collaboration portal.
- f. MOSS will be configured for a single stand alone server. You will be unable to create a SharePoint farm later if required.

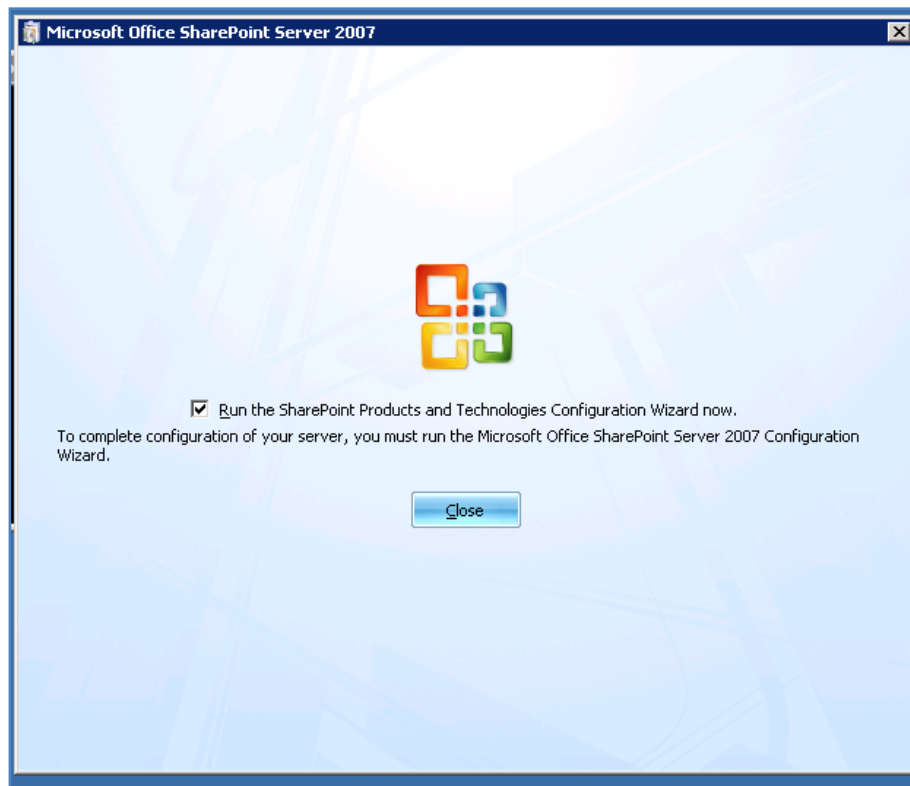
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Note that using the basic option you are unable to change any of the selections mentioned above.



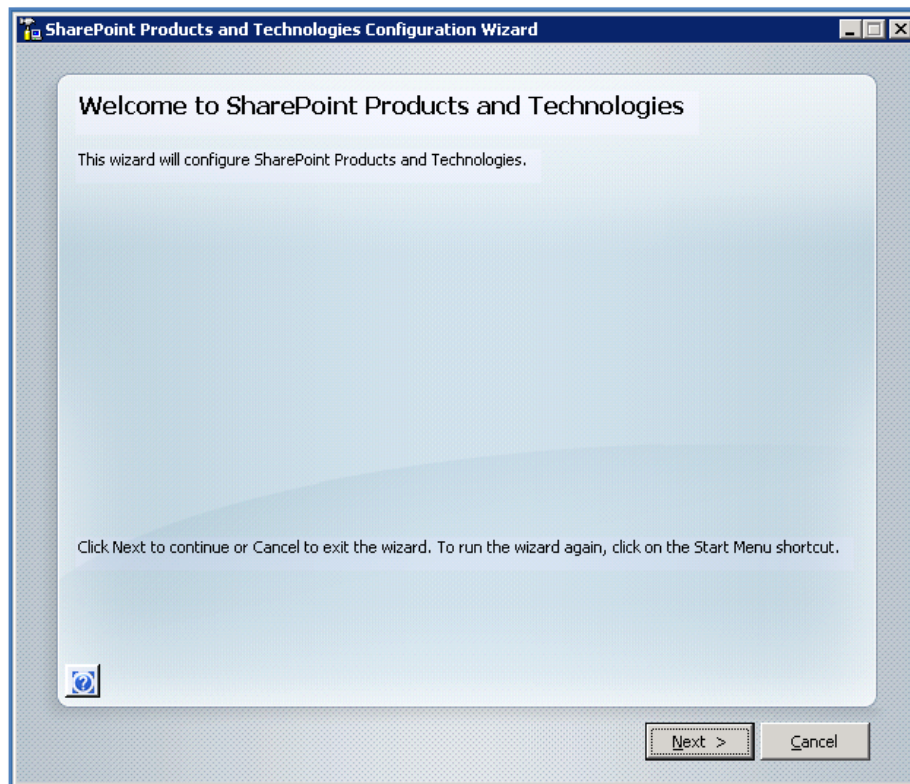
The installation will now commence. Note, that no further input is available until this process is complete.

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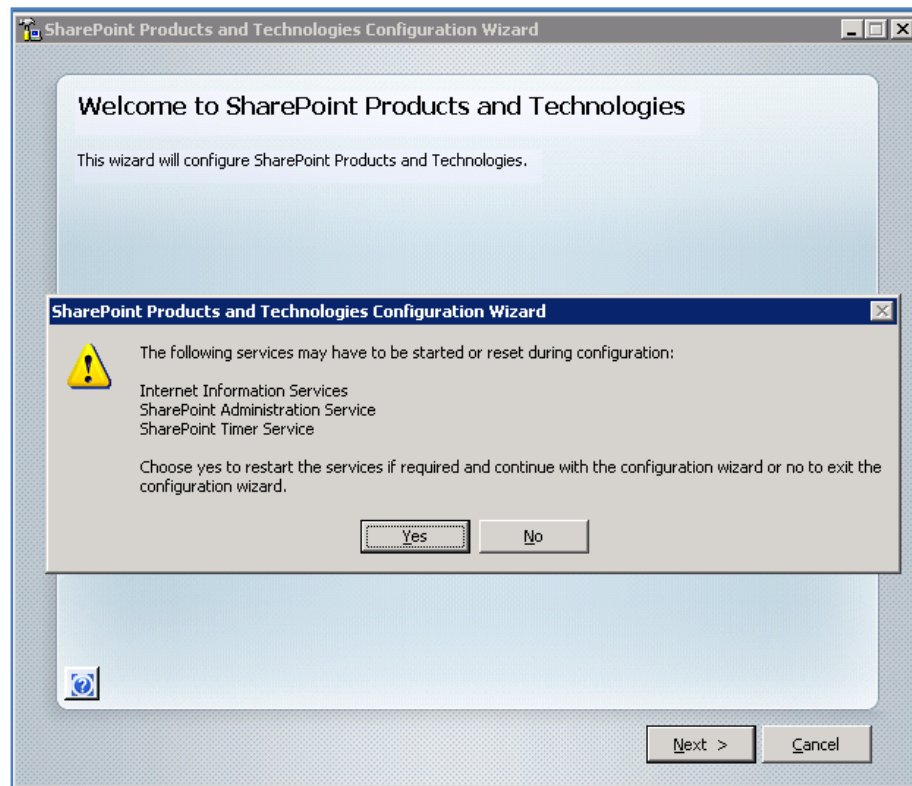
Once the installation is complete you will see the above window. Leave the *Run the SharePoint Products and Technologies Configuration Wizard now* option checked and press the **Close** button.

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Select **Next** to continue. Note, unlike the *Advanced Installation*, completed earlier, you are not reminded about 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 under the *Default Installation* option selected earlier.

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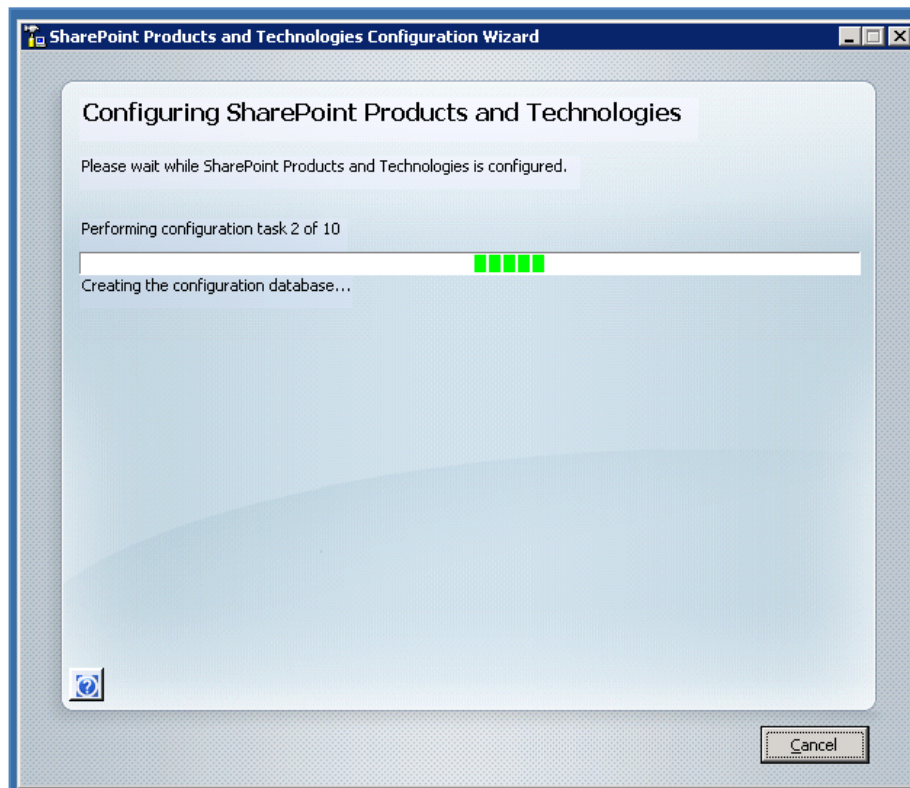


You will again be prompted to the fact that the following services will be started or restarted:

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

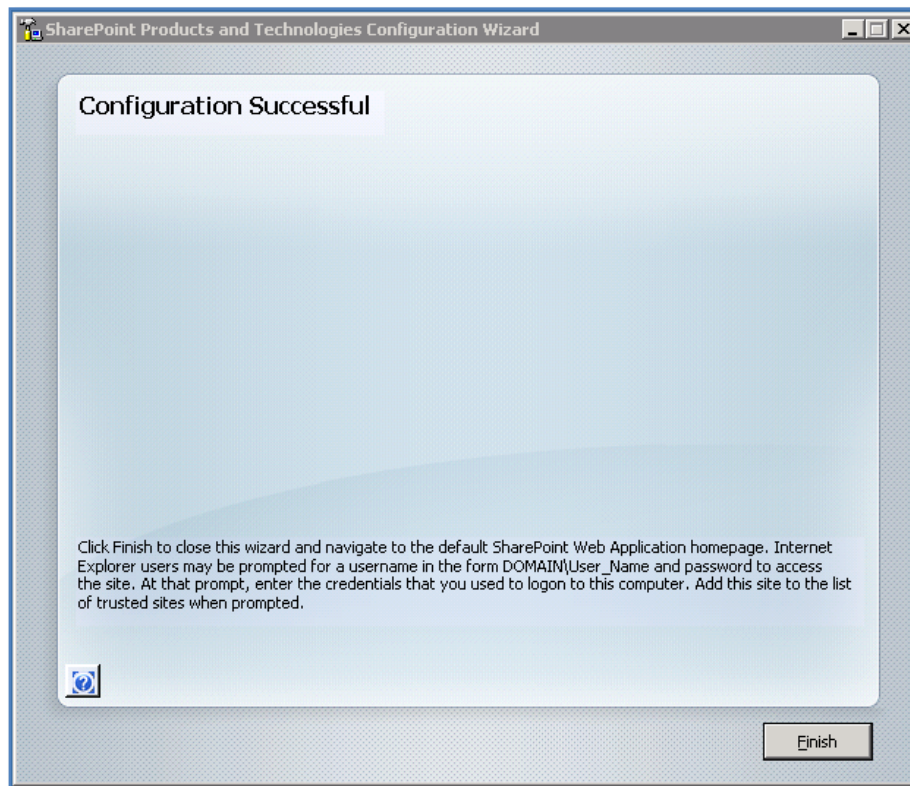
You need to be aware that this operation may have an impact on other applications that use these services which would impact network users interacting with them. If you wish to proceed with the installation press the **Yes** button.

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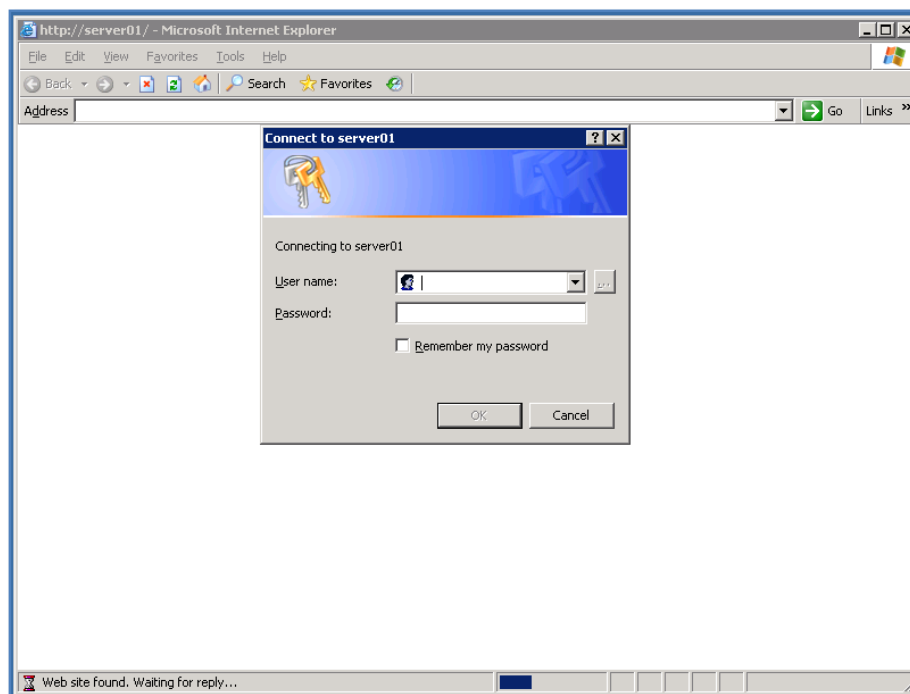


Unlike the *Advanced Installation* no further configuration options are provided and the configuration wizard will now run through ten or so stages to complete the configuration on the server. During this process there is no option to enter further information and the only option available is to press the **Cancel** button to halt the process.

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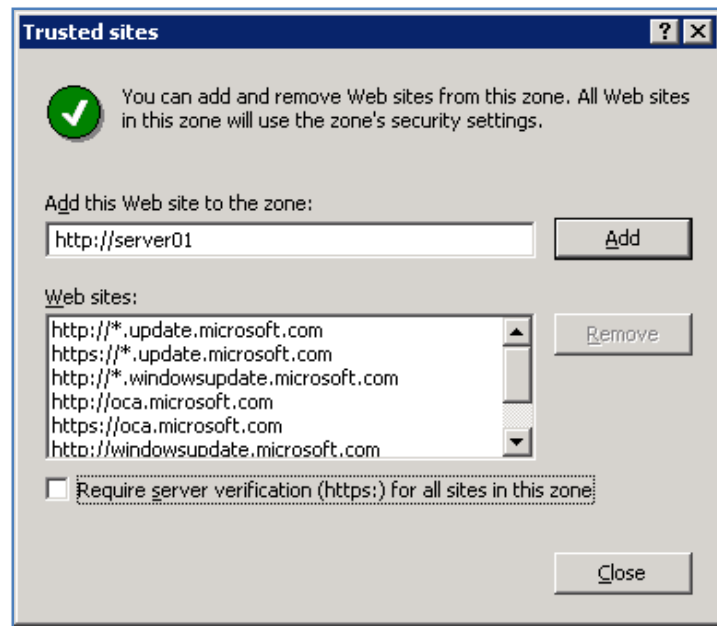


When the wizard completes you should see a *Completion Successful* window like that shown above. Press the **Finish** button to continue.

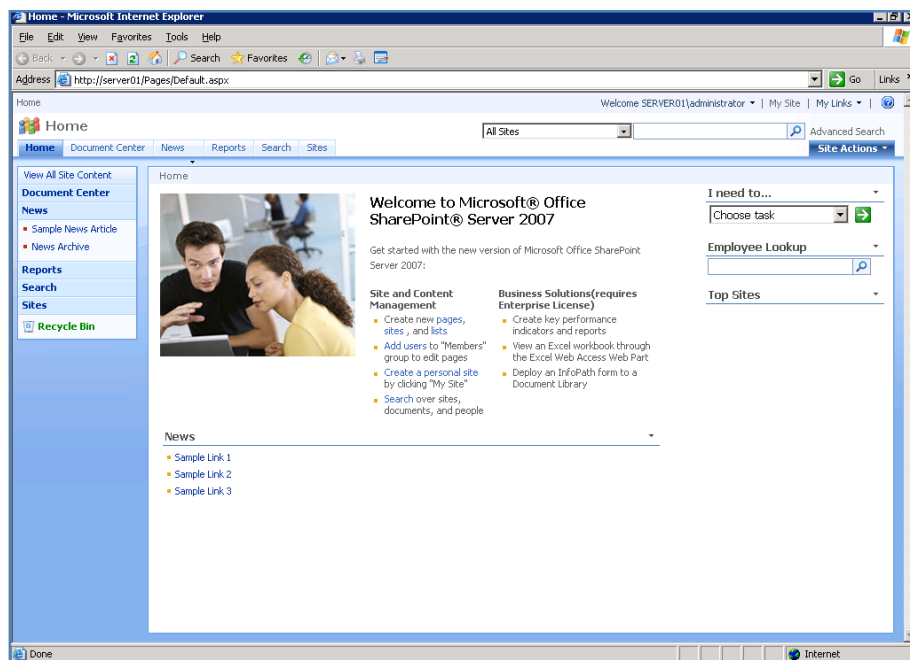


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The server will now attempt to display the *SharePoint Central configuration* page. You may need to enter the administrator login credential to gain access.



It is also recommended that you take the opportunity to add the site into the safe sites for the browser.



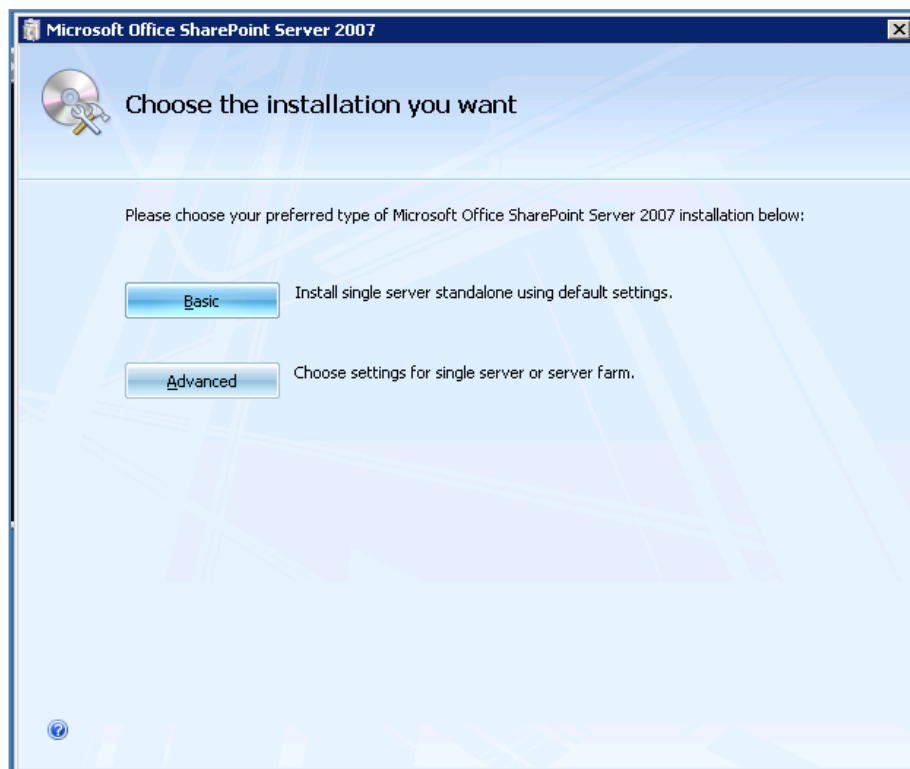
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Your new MOSS portal site should now be displayed. Unlike the *Advanced Installation*, all the SharePoint Central Administration has been completed automatically. Your MOSS site is available on the default web site for this server (i.e. Port 80).

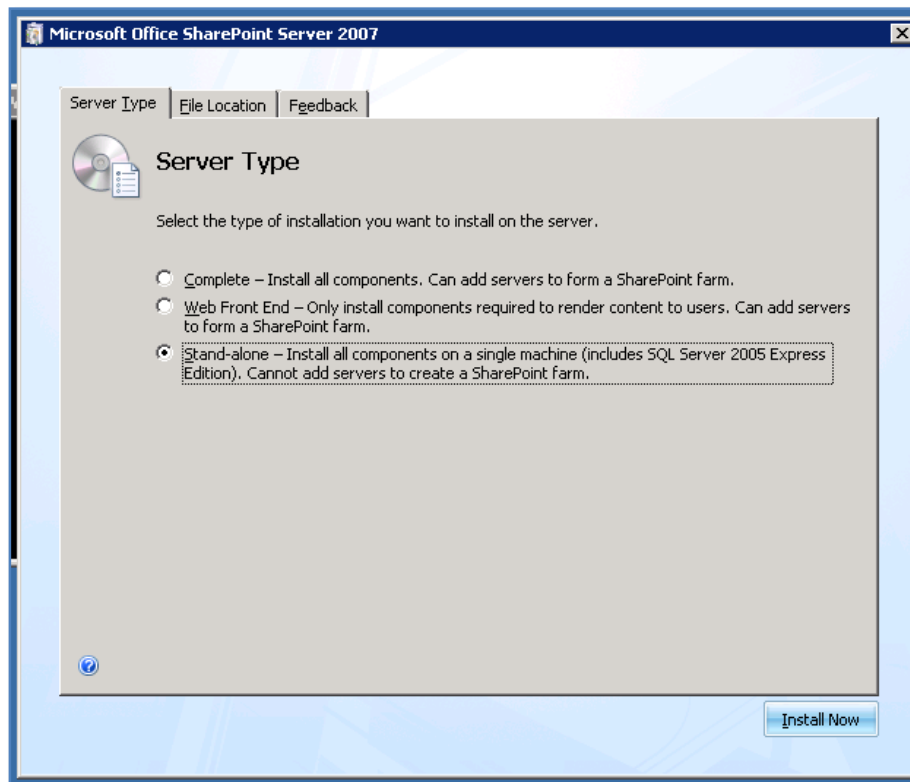
Stand Alone Installation

The final installation option not already covered is the Stand Alone option. This option is very much like the *Default Installation* mentioned previously.

You once again start the MOSS installation as normal and when presented with the installation type select **Advanced**.



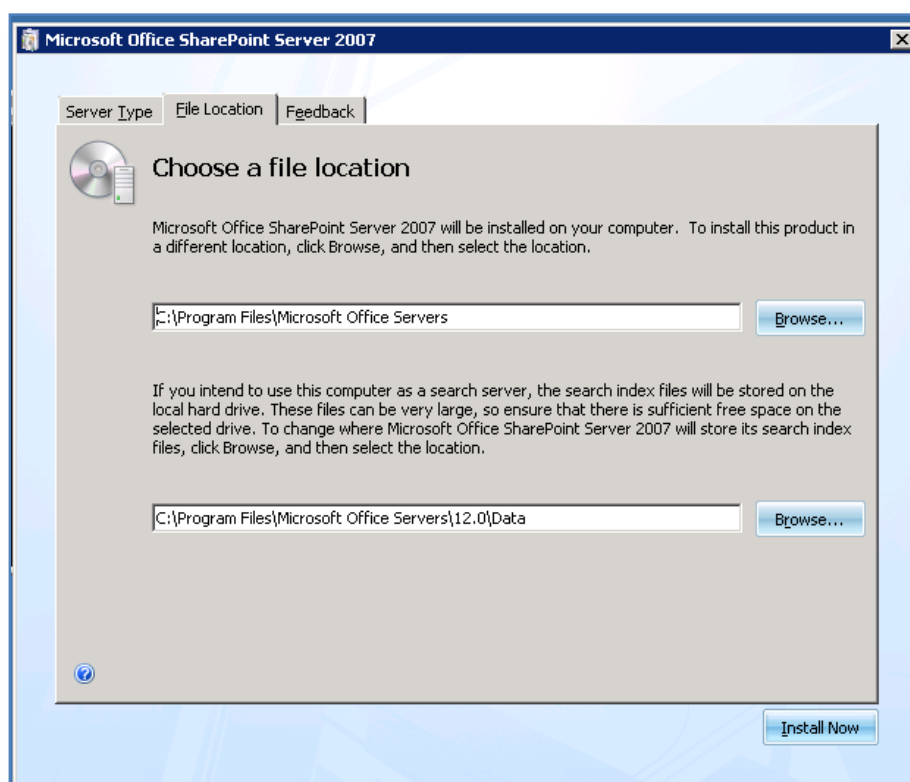
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On the Server Type page select the Stand-alone option. Remember that by selecting this option:

- Install SharePoint programs into *c:\program files\common files\Microsoft shared\web server extensions\12\data*.
- Install MOSS specific programs into *c:\program files\Microsoft Office Servers\12.0*
- Install Microsoft SQL Server 2005 Express Edition as the MOSS storage option and install this automatically to *c:\program files\Microsoft SQL Server*. It will also install the MOSS databases in *c:\program files\Microsoft Office Servers\12.0\data\mssql.1\mssql\data*.
- Configure a MOSS web site on port 80.
- Configure a MOSS collaboration portal.
- MOSS will be configured for a single stand alone server. You will be unable to create a SharePoint farm later if required.

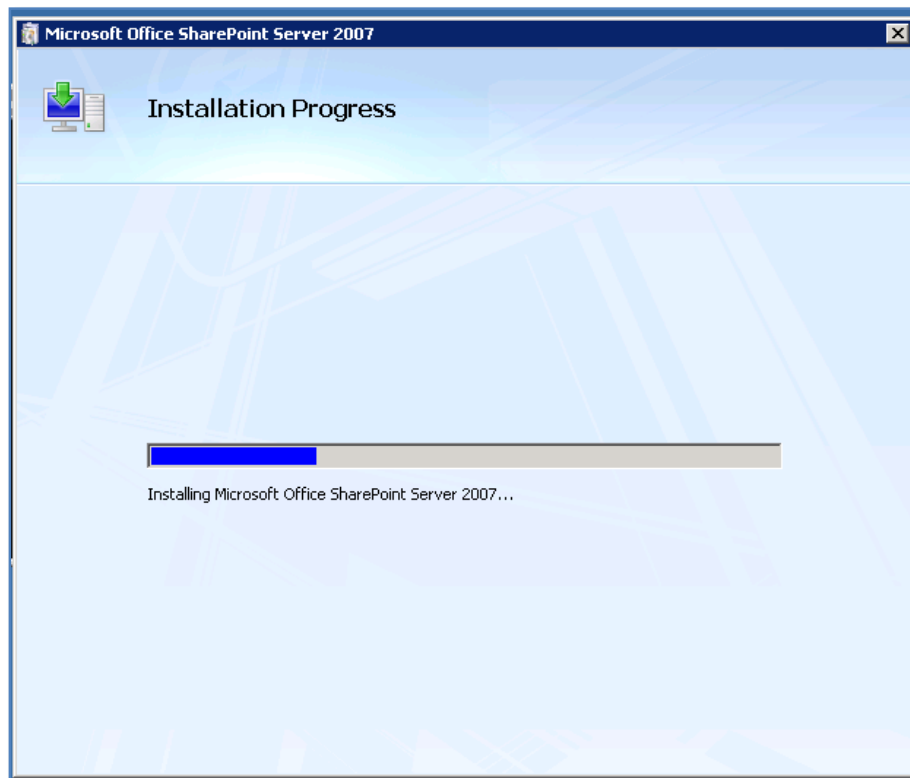
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The Data Location tab allows you to specify where the MOSS program files will be stored. By default these will be installed in *c:\program files\Microsoft Office Servers* and *c:\program files\Microsoft Office Servers\12.0\data* for search. You can change the drive letter if necessary by changing the entry displayed. It is recommended that you only change the drive letter if necessary to ensure compatibility and ease of use in the future.

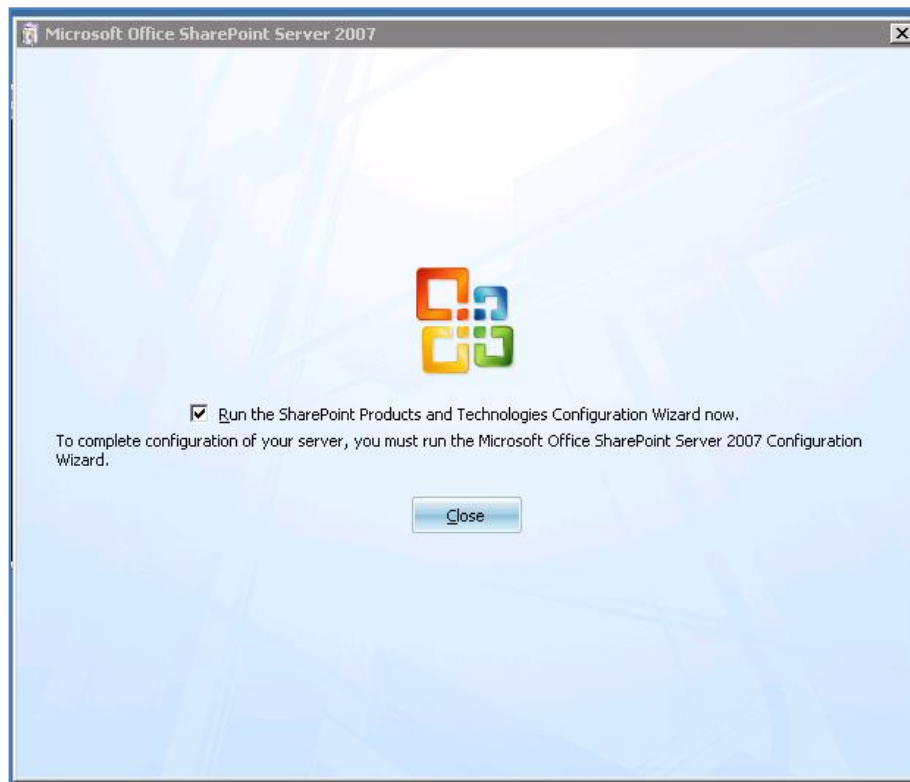
Once you have made your selections click the **Install Now** button on the lower right of the window to continue.

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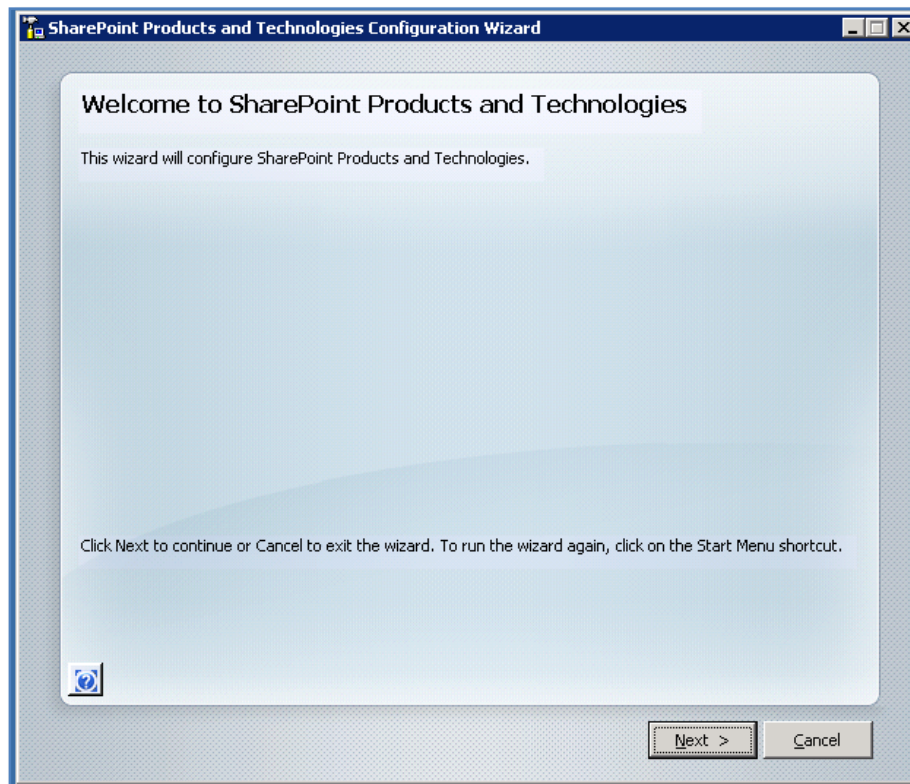
The installation will now commence. Note, that no further input is available until this process is complete.

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Once the installation is complete you will see the above window. Leave the *Run the SharePoint Products and Technologies Configuration Wizard now* option checked and press the **Close** button.

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Select **Next** to continue. Note, unlike the *Advanced Installation* that was completed earlier you are not reminded about 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.

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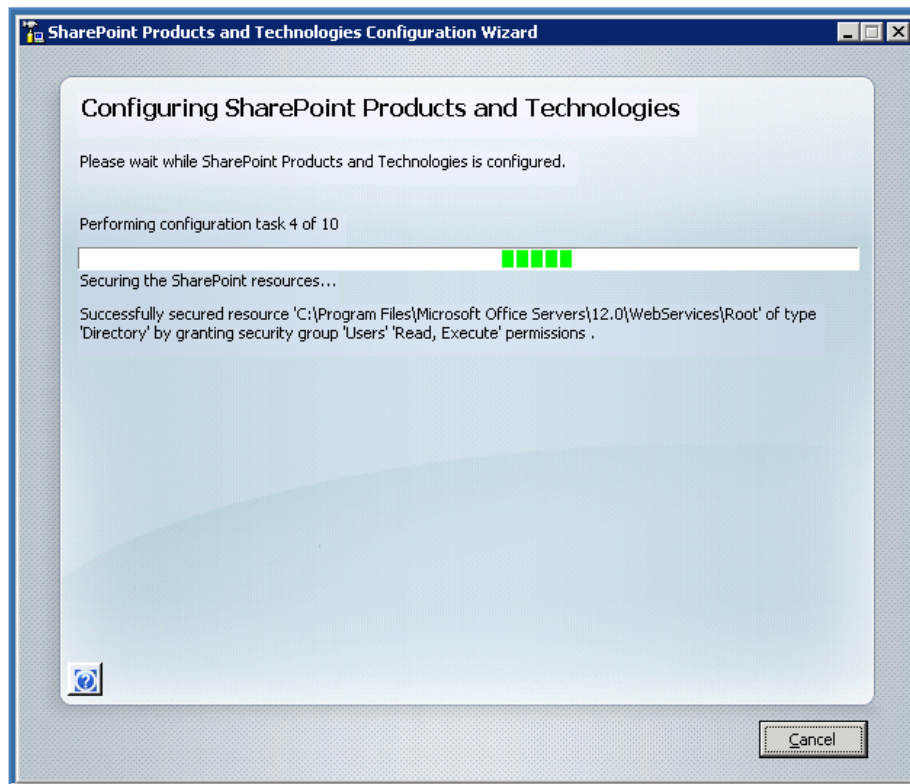
You again will be prompted to the fact that the following services will be started or restarted:

- 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 them.

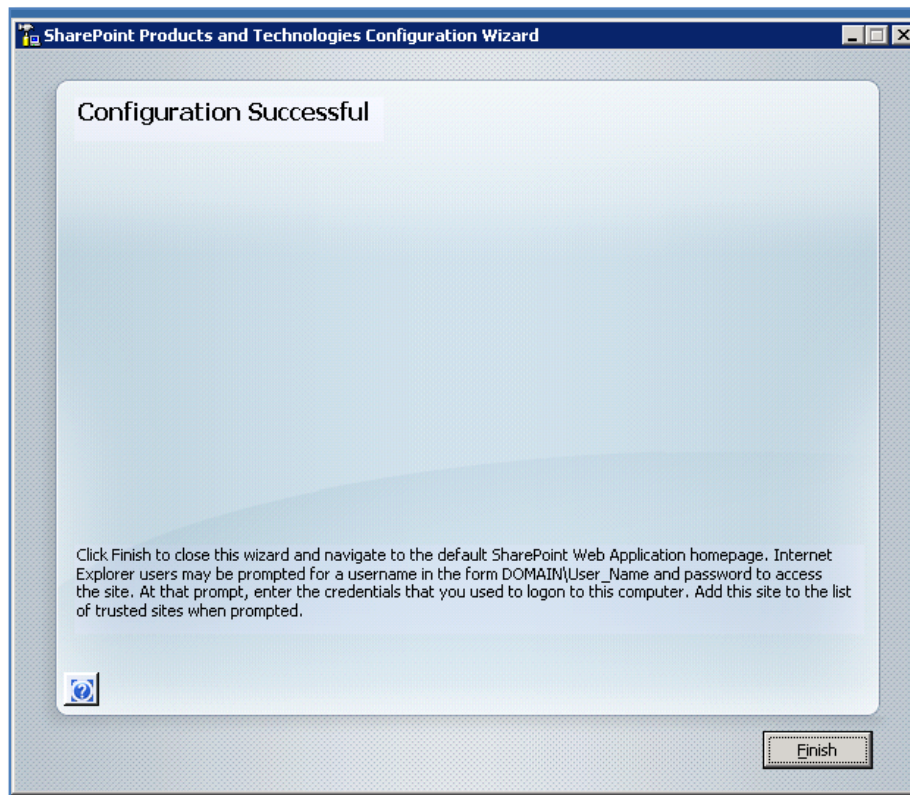
If you wish to proceed with the installation press the **Yes** button.

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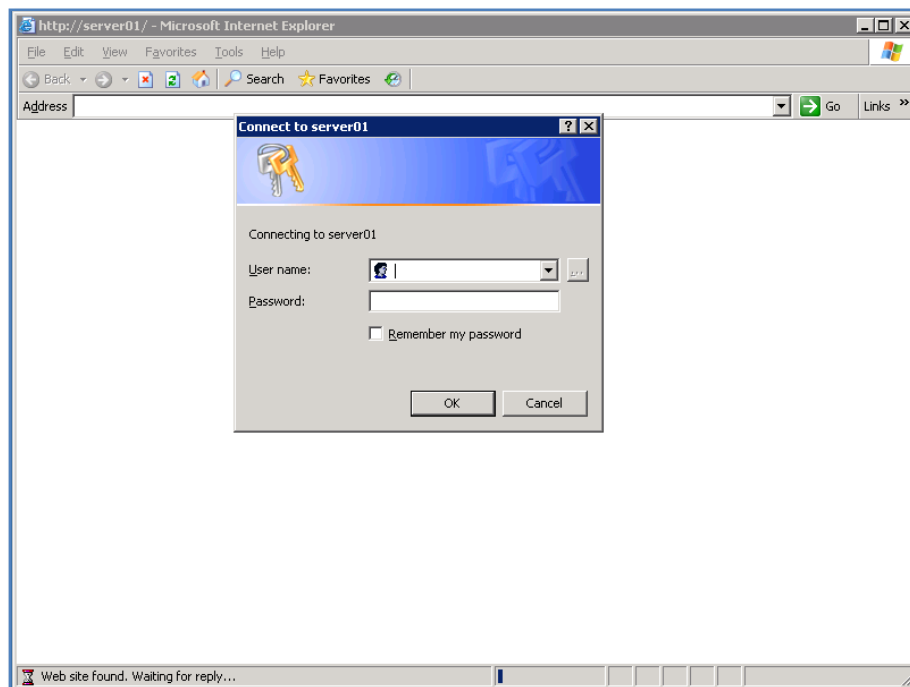


Unlike the *Advanced Installation*, no further configuration options are provided and the configuration wizard will now run through ten or so stages to complete the configuration on the server. During this process there is no option to enter further information and the only option available is to press the **Cancel** button to halt the process.

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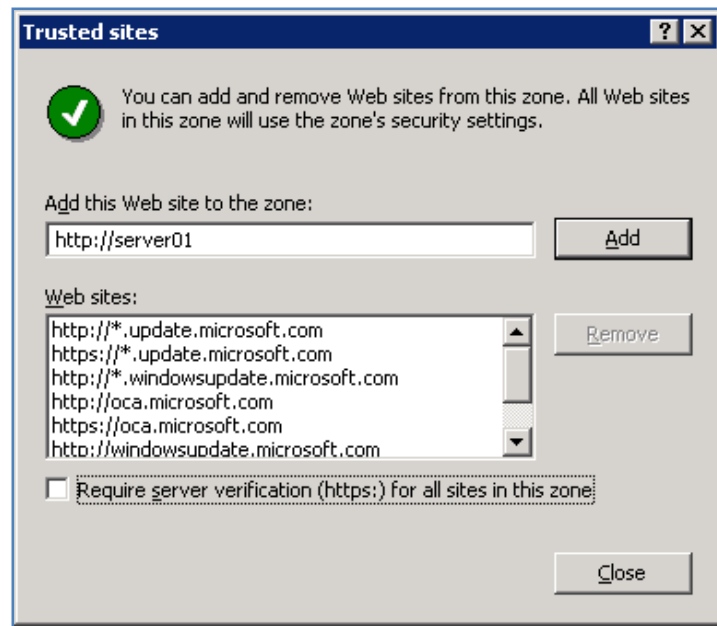


When the wizard completes you should see a *Completion Successful* window like that shown above. Press the **Finish** button to continue.

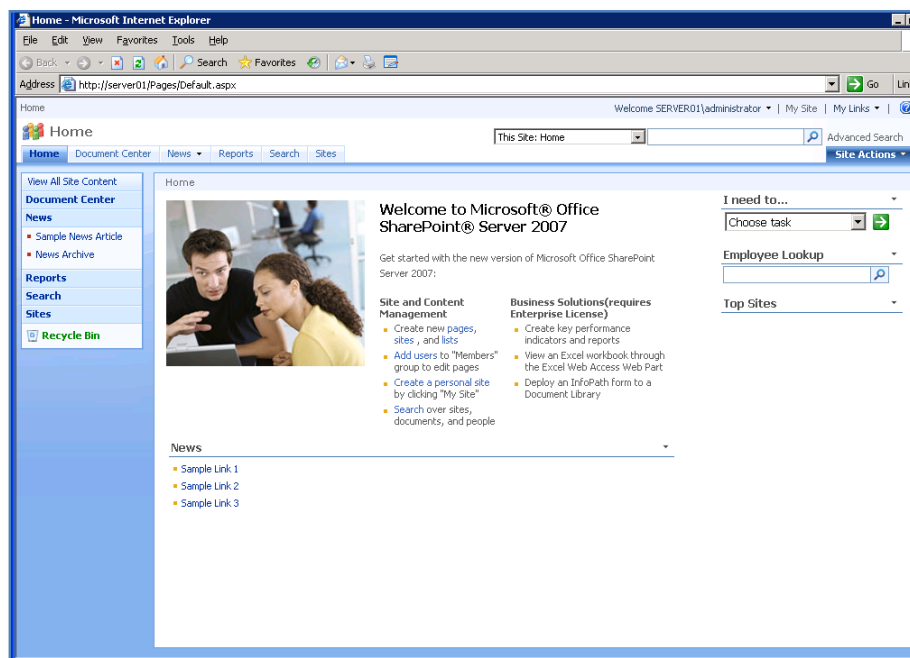


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The server will now attempt to display the *SharePoint Central configuration* page. You may need to enter the administrator login credential to gain access.



It is also recommended that you take the opportunity to add the site into the safe sites for the browser.



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Your new MOSS web site should automatically be brought up in a browser window. Unlike the *Advanced Installation*, all the SharePoint Central Administration set up will have been completed automatically. Your MOSS site is available on the default web site for this server (i.e. port 80)

3.4 Conclusion

Prior to any installation you need to decide on what type of installation you wish to perform, advanced, default or stand alone. 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.

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