



Ektron

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Installation Manual

Version 1.5

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Table Of Contents

Table Of Contents	v
Before You Install	1
System Requirements	1
Preparing for Installation.....	1
Installing Microsoft Data Access Component (MDAC) Drivers	2
Setting Default Document to Index.asp (optional)	2
For Windows 95/98 Users with PWS	2
Windows NT/2000 Internet Information Server	3
Installations	6
Installing to an Access Database	7
Running CMS200 Setup	7
What's Next?	20
Installing to a MS-SQL Database	21
Running CMS200 Setup	21
Upgrading to Version 1.5	35
Running CMS200 Setup	35
Installing Ektron CMS200 in a Hosting Environment	44
Running CMS200 Setup	44
Setting up Directories	44
Creating DSNs.....	45
Updating Setup.asp	48
What's Next?	49
SSL Support	50
Setting Up the Certificate.....	50
Updating CMS200	54
The Ektron CMS200 Databases	57
CMS200_v1_50_Access.mdb	57
cms200_v15_min_access2000.mdb	57
Setting Up a MS-SQL Database	59
Creating An Empty SQL Database	59
Running the SQL Script.....	61
Creating New DSN	65
Moving the Data.....	68

Setup.asp or Application.cfm	70
DSN-less Connection	71
Before You Begin.....	71
Creating a UDL File	71
Windows 98/ME/NT	71
Windows 2000.....	72
Configuring The UDL File	72
Configuring Ektron CMS200 for the UDL File.....	73
Configuring Ektron CMS200 for the Provider String	74
Converting UDL file to a Provider String	74
Configuring Ektron CMS200 to use the Provider String	75
Migration from CMS100 for ASP	76
Prerequisites.....	76
Installing CMS100 for ASP	76
Installing CMS200.....	77
Backing Up the Minimum Database	77
Backing Up Your Active Site	77
Point Ektron CMS200 to Minimum Database	78
Locating the Migration Utility	81
Running the Migration Utility.....	81
Configuring the Databases.....	82
Inserting Your Ektron CMS200 License Key	85
Library Settings	85
Content Settings.....	86
What's Next?	94
Migrating your Templates	95
Moving Scripts Directory and Editing Templates.....	95
Testing Your Migration.....	97
Going Live	97
Uninstalling Ektron CMS200	99
Additional Information	100
Supporting Documents	100
Support	100
Sales.....	100

Before You Install...

Before you install Ektron CMS200, there are some things that you'll need to know. This chapter gives you a brief summary of the requirements for your system.

System Requirements

The following components are required when developing or viewing an Ektron CMS200 based application:

Browsers	<p>When viewing and editing a Web site developed with CMS200, you can use the following browsers:</p> <p>Viewing:</p> <ul style="list-style-type: none"> • American Online's <i>Netscape Navigator</i>, versions 3.0 and higher • Microsoft's <i>Internet Explorer</i>, versions 3.0 and higher <p>Editing:</p> <ul style="list-style-type: none"> • Internet Explorer 4.01 and higher • Netscape Navigator 4.7x and higher
Operating System	Server: MS Windows, NT/2000 (NT server MUST be running service pack 6), Windows 98 (with PWS)
Hardware	Any IBM-PC compatible system (suggested minimum requirements: Pentium 166 MHz or faster with at least 64MB of RAM)
Web Server Applications	Microsoft Active Server Pages (ASP) 2.0 or Higher
Web Server	<ul style="list-style-type: none"> • Microsoft Internet Information Server (IIS) 4.0 or higher with NT SP6 • Personal Web Server

Preparing for Installation

Prior to installing Ektron CMS200, you must first perform the following tasks:

1. Install Microsoft Data Access Component (MDAC) Drivers version 2.1 or greater.

NOTE You will not need to install MDAC 2.1 drivers if you have Windows 98 Second Edition or greater and/or you have any type of Microsoft Office application installed on your machine.

2. Install a web server (such as, the Microsoft® Personal Web Server or Internet Information Server).
3. Set the default document of your Web server to index.asp (optional).

Installing Microsoft Data Access Component (MDAC) Drivers

Install MDAC drivers version 2.1 or higher. We recommend the latest available from Microsoft.

To find out which drivers you have installed on your machine, you can download the Component Checker tool from Microsoft.

As of June 2000, all MDAC downloads are located at (www.microsoft.com/Data/download.htm).

Setting Default Document to Index.asp (optional)

Setting the default document can be done using either the Personal Web Manager Console or the IIS depending on which type of platform you are running on, i.e., NT Server, Workstation, or Windows 98.

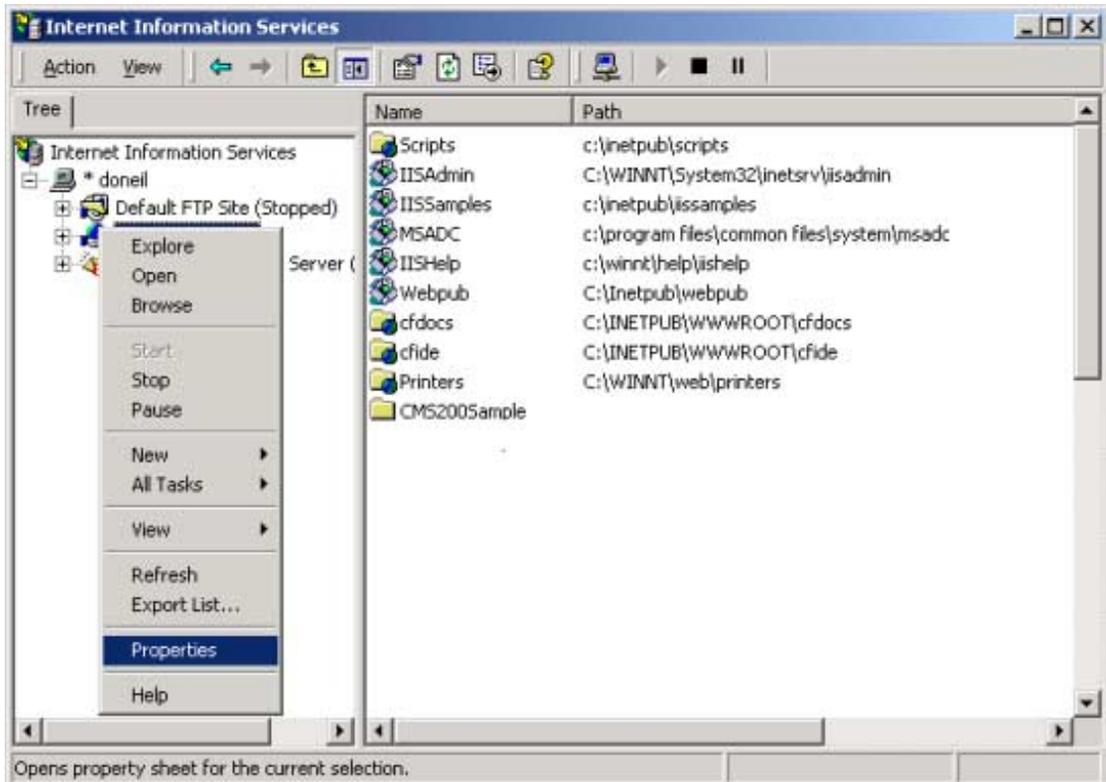
NOTE You do not need to set Ektron CMS200 as your default Web Application. Ektron CMS200 can be used to control a section of the site, or used to control the entire site.

For Windows 95/98 Users with PWS

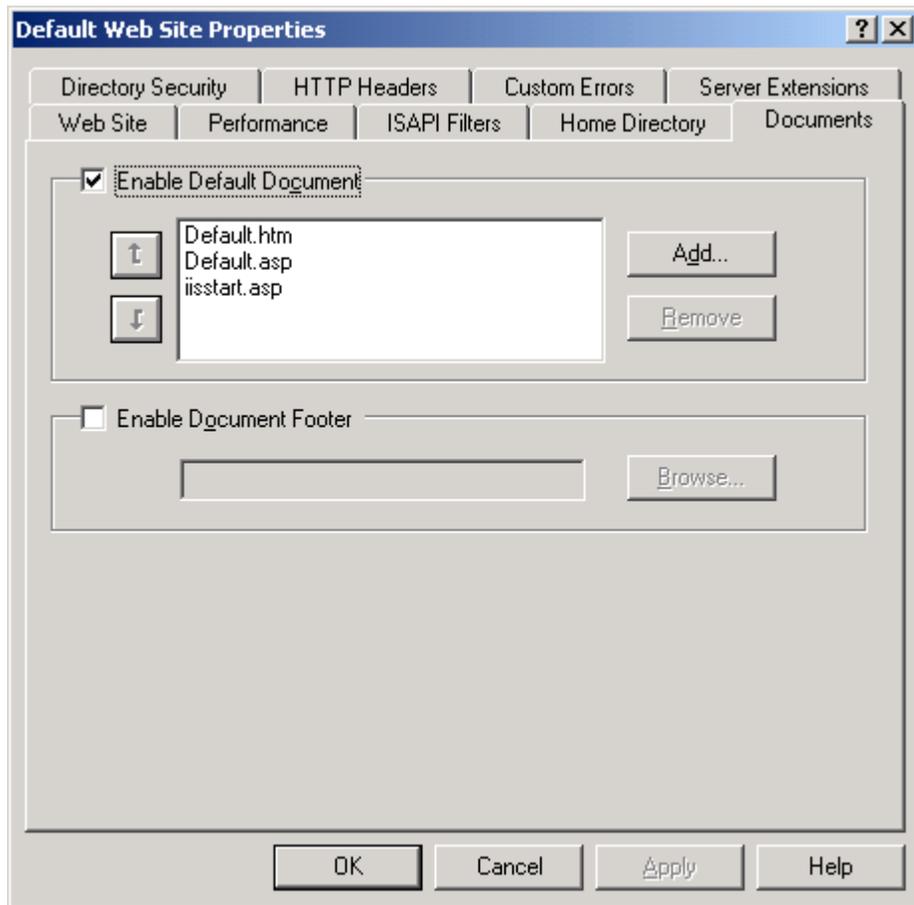
1. Open the Personal Web Manager Console
2. Select Advanced from the View menu
3. Select the Home directory within the Virtual Directories
4. Enter "index.asp" into the default document field.

Windows NT/2000 Internet Information Server

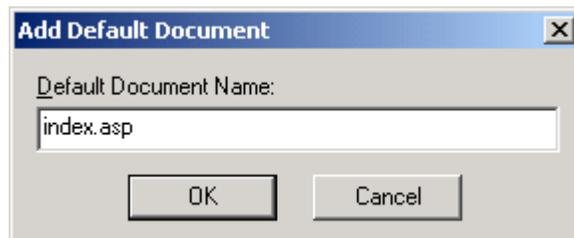
1. Open your *Internet Services Manager Console*
2. Select your **Default Web Site** icon
3. **Right click** on the **Default Web Site** icon, and select **Properties** from the pop up menu



4. Click the **content blocks** tab in the dialogue box that is displayed.



5. Select the **Add** button
6. Enter **index.asp** into the displayed field



7. Click **OK** to close this box
8. Click **OK** again to close the "Default Web Site Properties" window.

Depending on where you install the Ektron CMS200 root directory, you will need to make the necessary changes in your Web Server's console to point to the proper directory.

Installations

In Ektron CMS200, there are many types of maintenance operations that can be performed. This chapter will look at all of the different types including:

- Installing with a MS-Access Database
- Installing with a MS-SQL Database
- Upgrading from a previous version

Installing to an Access Database

To install Ektron CMS200 for an Access database, begin by double clicking on the executable file that was downloaded from the Ektron Web site:

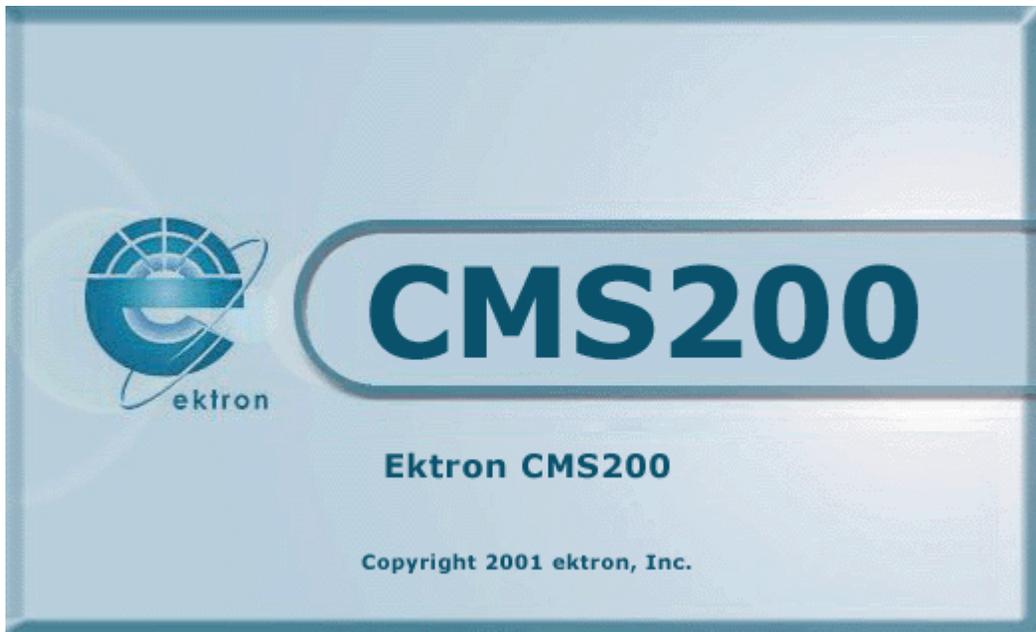


CMS200.exe

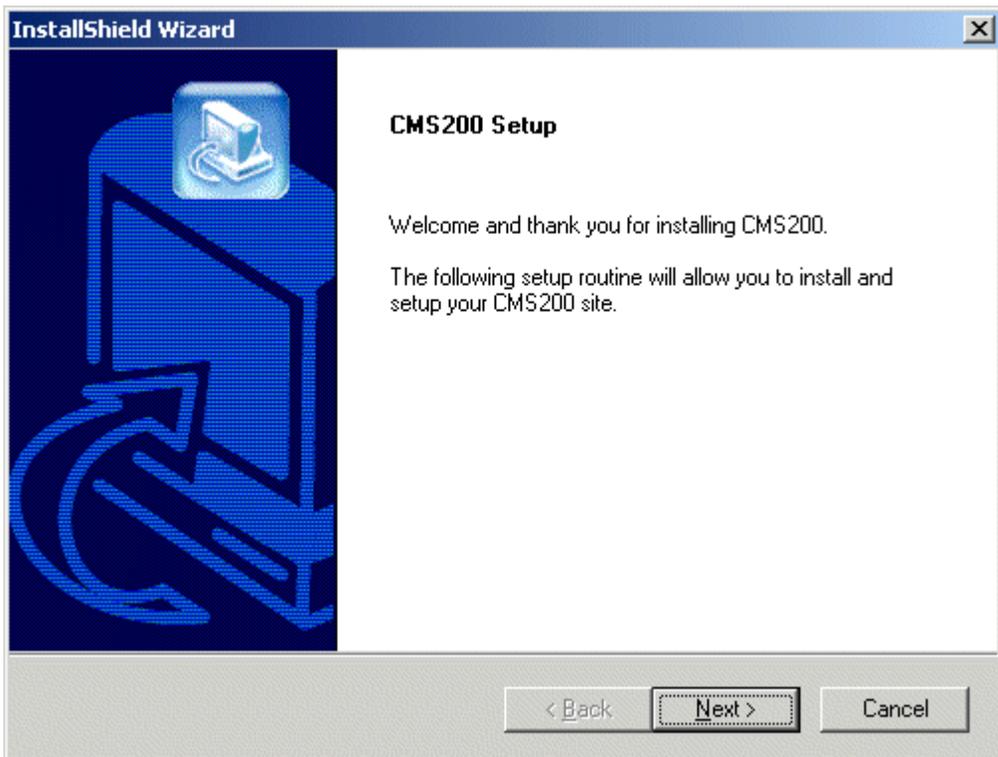
Running CMS200 Setup

Once you have double clicked on the executable file for Ektron CMS200, the installation process will begin. This section will explain each screen in the process of installing Ektron CMS200 with a MS-Access database.

1. The first screen that you will see is the splash screen:

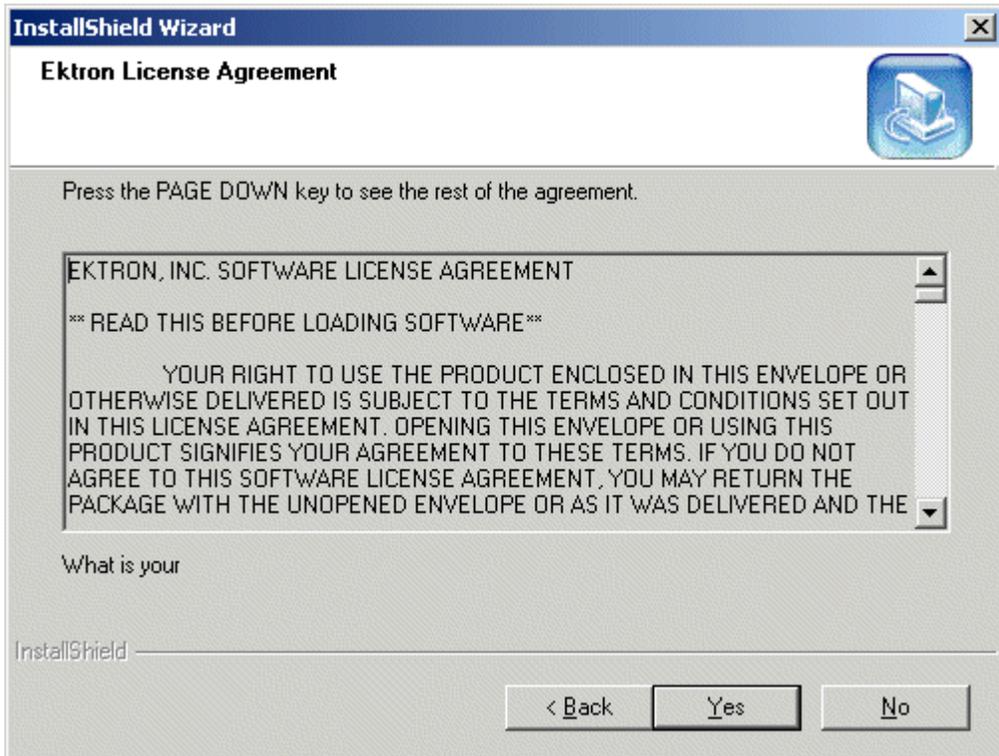


2. After the splash screen, you will see the following screen:



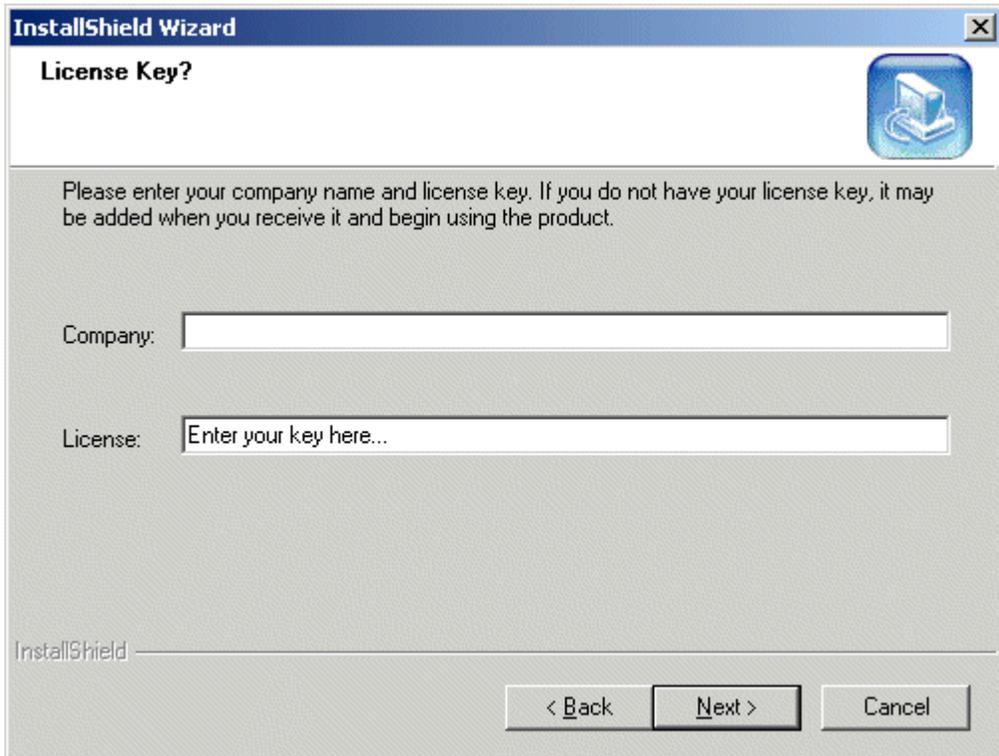
At this screen, click **Next >** to continue.

3. Once you click the next button, you will then be taken to the Ektron License screen. Here, you can view the license agreement for Ektron CMS200.



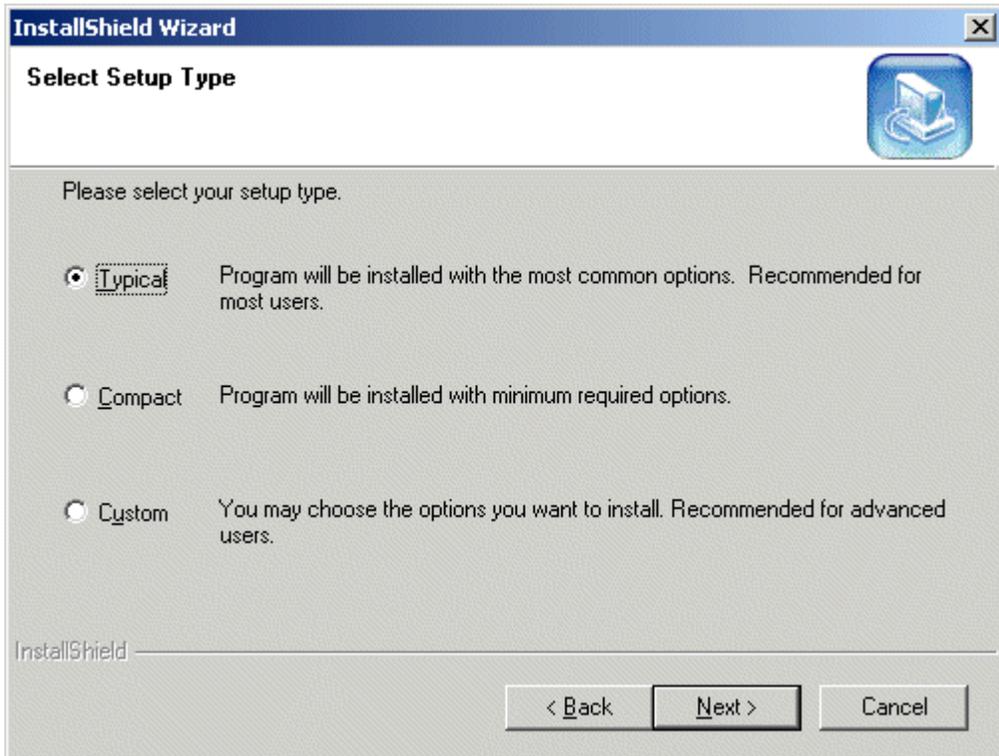
Once you have read the license agreement, and if you agree to the terms and conditions, click the **Yes** button at the bottom of the screen.

4. After you have agreed to the license agreement and have clicked the yes button, you will then be taken to the following screen:



At this screen, you will be prompted to enter your company name, and the license key that was sent to you via email from Ektron. Once you have entered that information, click the **Next** button to continue.

5. The next screen that you will see is the Setup Type screen.

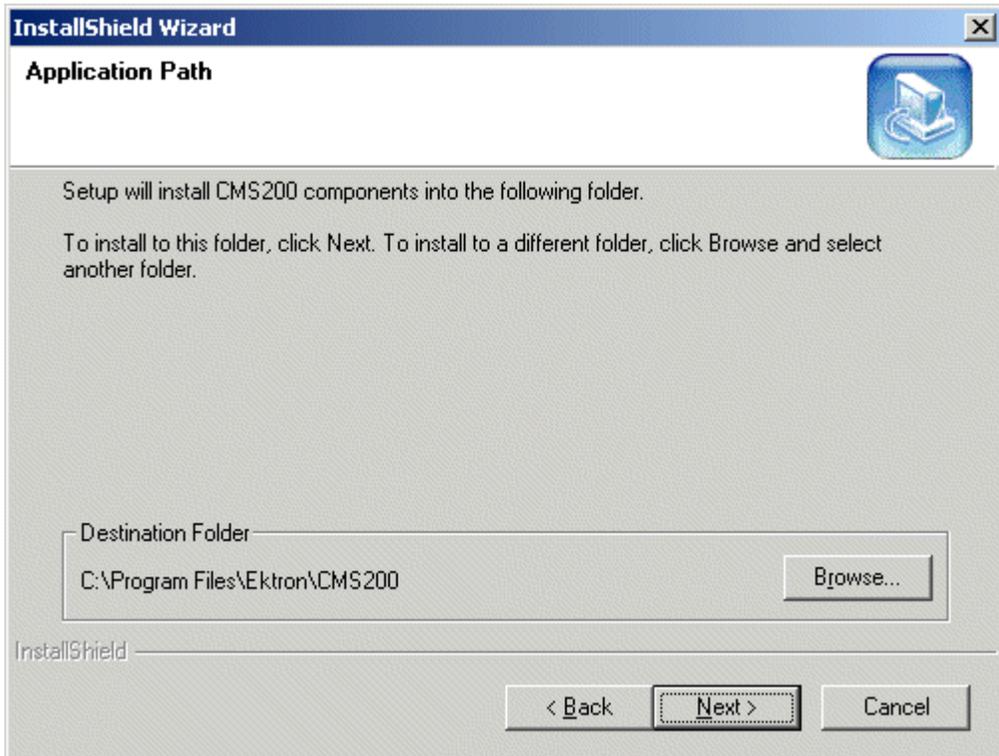


At this screen, you can choose which type of installation you would like to perform:

- **Typical** - Recommended, this will install all the files for Ektron CMS200.
- **Compact** - This will install the minimum amount of files.
- **Custom** - You may choose the files and options that you want to install.

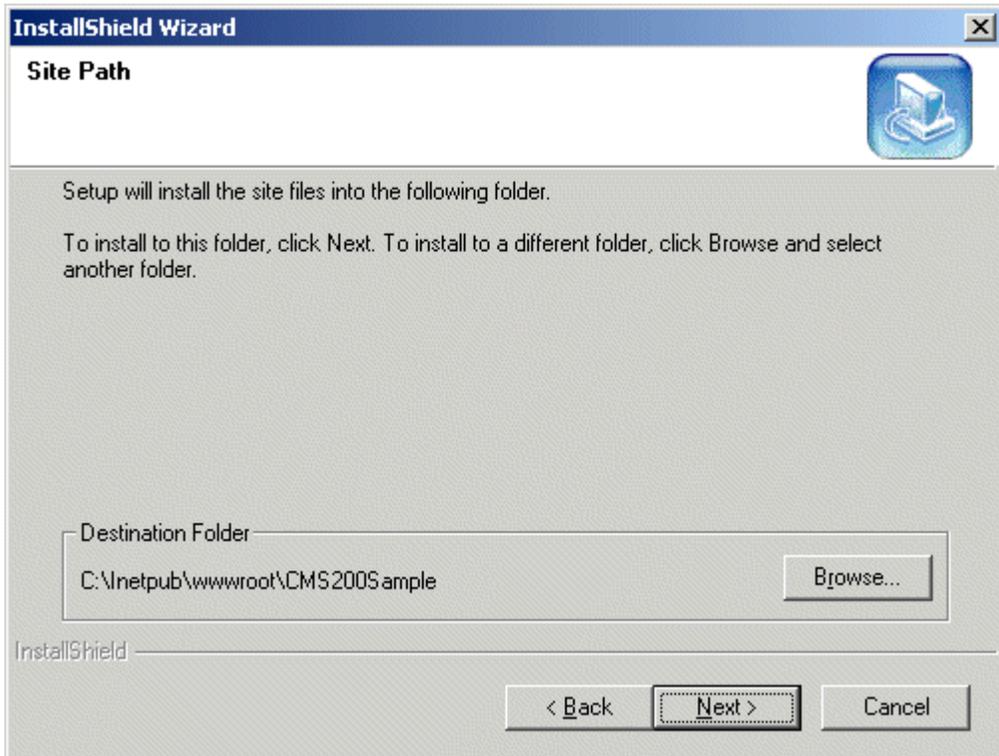
Once you have selected which type of installation you wish to run, click the **Next >** button to proceed.

6. After you select the setup type, you will then proceed to the following screen.



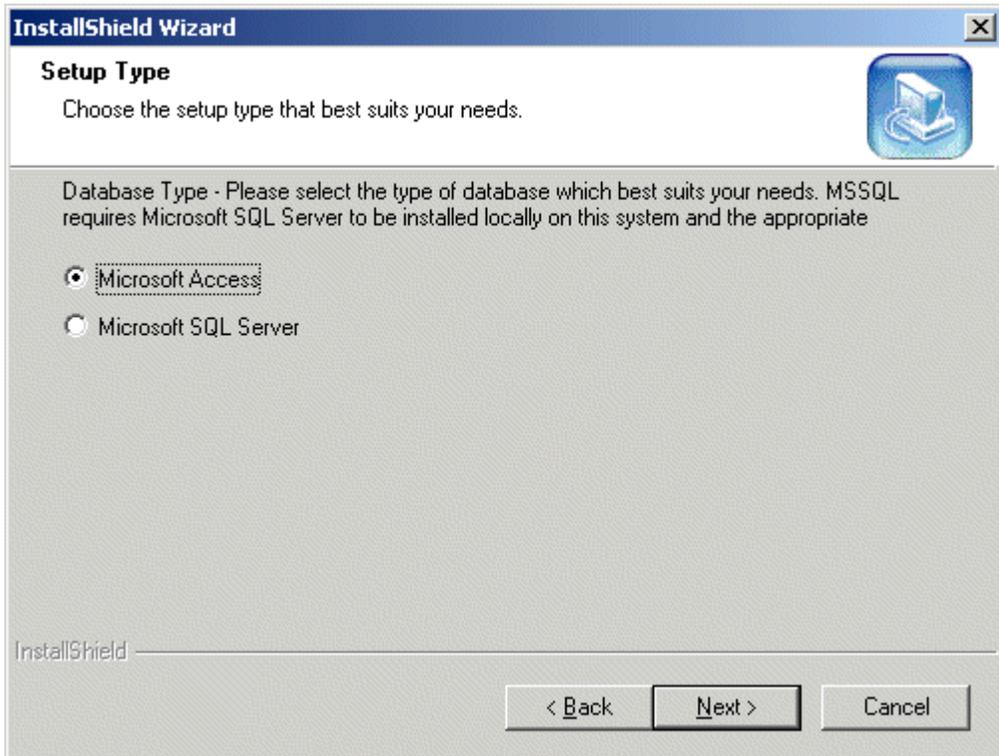
At this screen, specify the location where you wish to install the Ektron CMS200 components. Either keep the default or browse for a new directory. Once completed, click the **Next >** button to proceed.

7. After you have specified the application path, you will then need to specify the site path.



The site path is where the necessary scripts to run an Ektron CMS200 Web site are installed to. Either keep the default, or browse for a new folder. Once completed, click the **Next >** button to proceed.

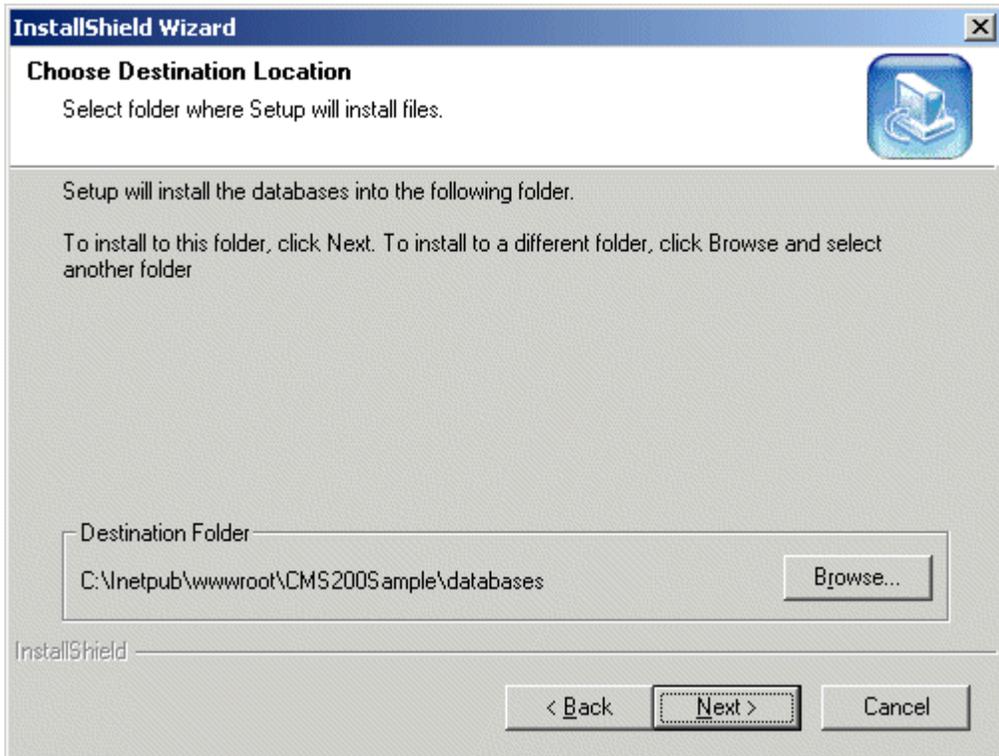
8. Once you have clicked the next button, you will be taken to the screen where you will choose which type of database to install.



Click on Microsoft Access, then click the **Next >** button at the bottom of the screen to continue.

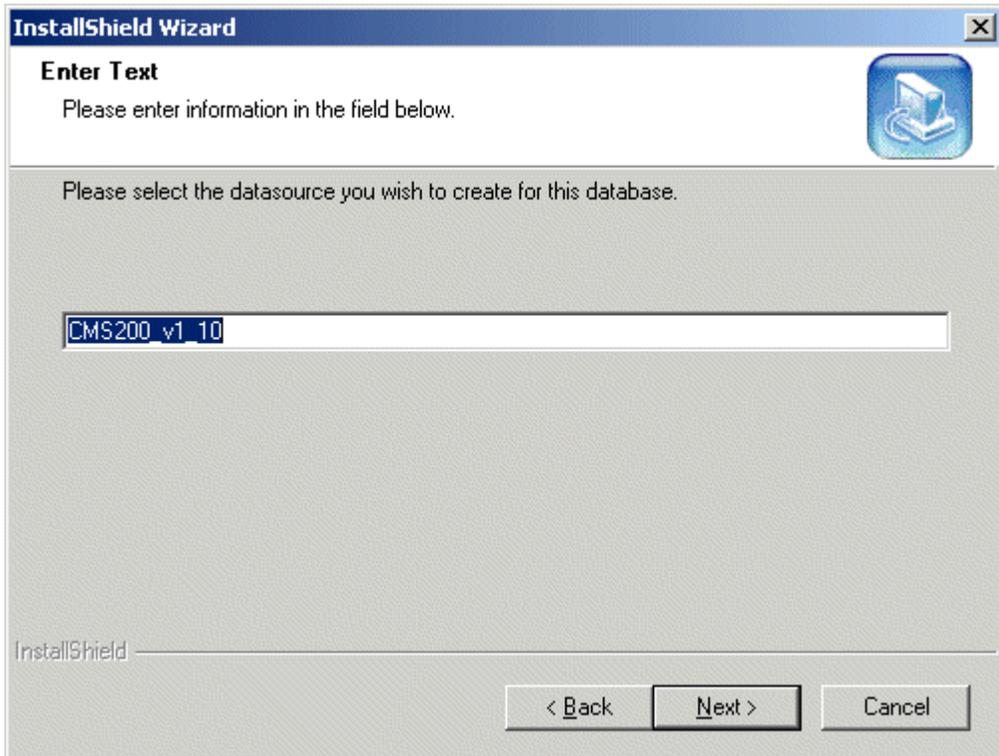
NOTE For information about installing a Microsoft SQL Server Database, see "Installing to a MS-SQL Database" on page 21.

9. Once you have selected to install an Access database, you will then need to specify where you would like to install the database to on the next screen seen below.



At this screen, either keep the default location of the database, or browse for a new folder to install it to. Once completed, click the **Next >** button to continue.

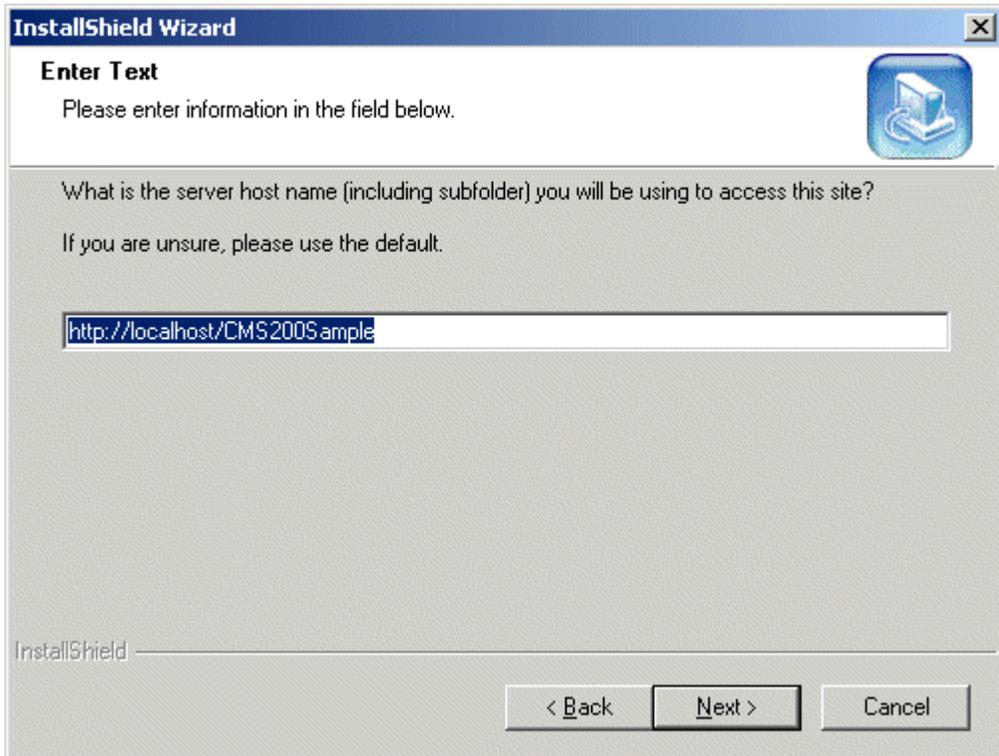
10. Once you have specified where to install the database to, the next screen will allow you to create the DSN for the database.



At this screen, either accept the default DSN name, or edit it to be whatever you like. Once you have chosen a name for the DSN, click the **Next >** button at the bottom of the page to continue.

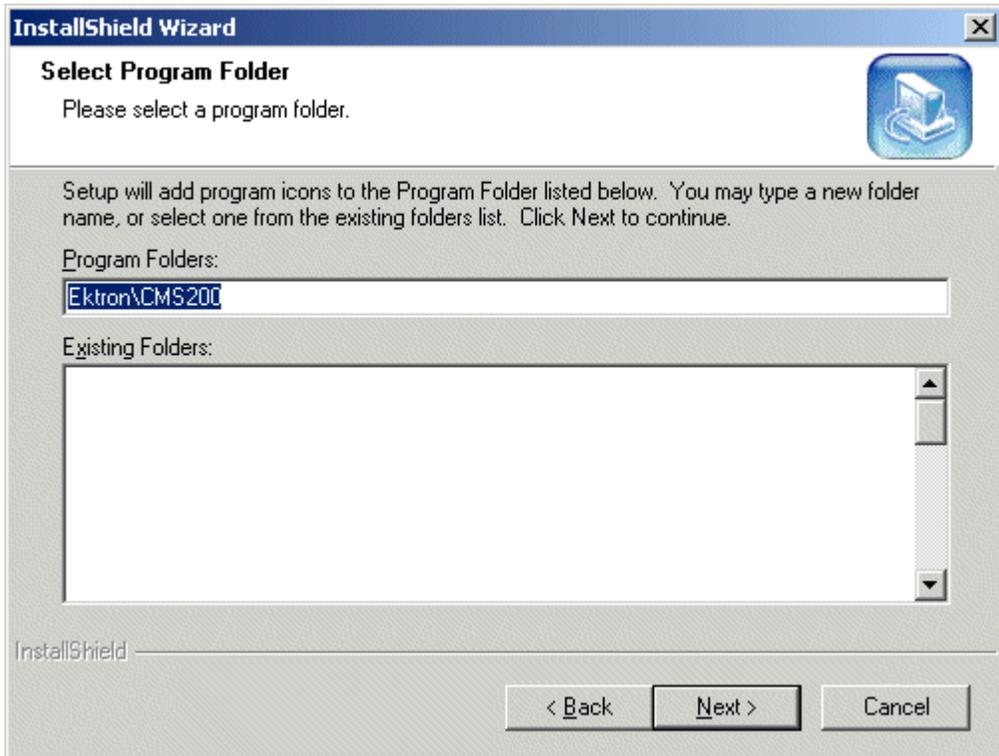
NOTE For information about creating a DSN-less connection using an OLE DB connection string, see "DSN-less Connection" on page 71.

11. After you have configured all the database information, you will need to enter the server host name at the next screen seen below.



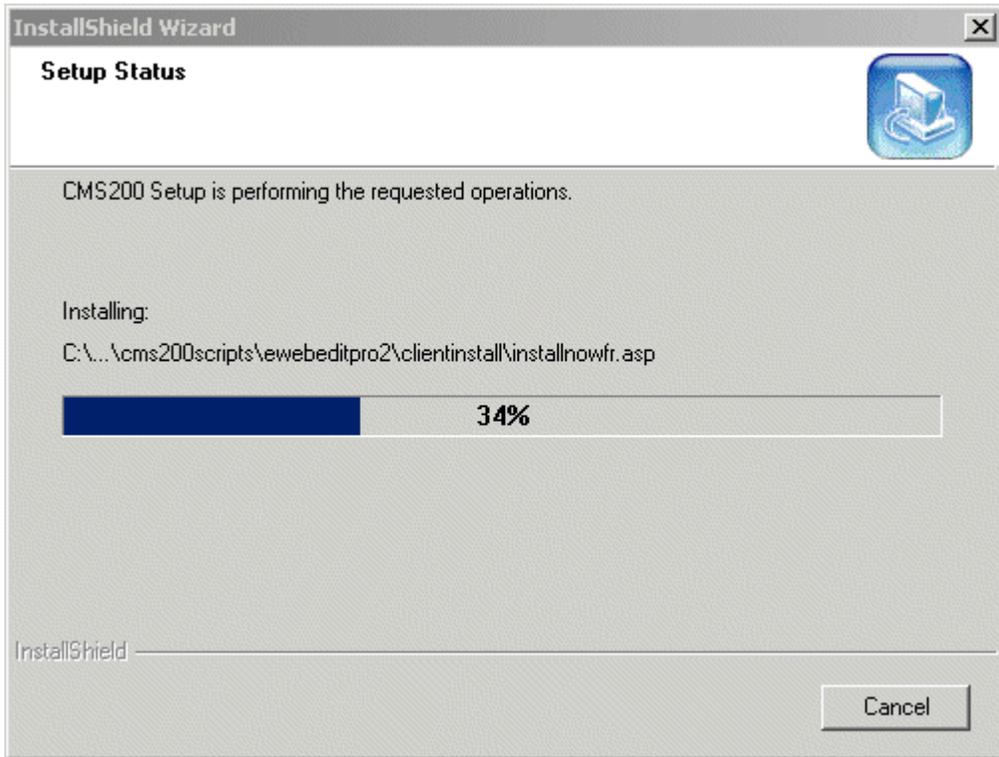
The server host name is the path you will be using to access the Ektron CMS200 Web site. At this screen, you can either accept the default host name, or enter your own. Once completed, click the **Next >** button to continue.

12. The next screen will assist you in creating a short cut in your start menu in Windows.



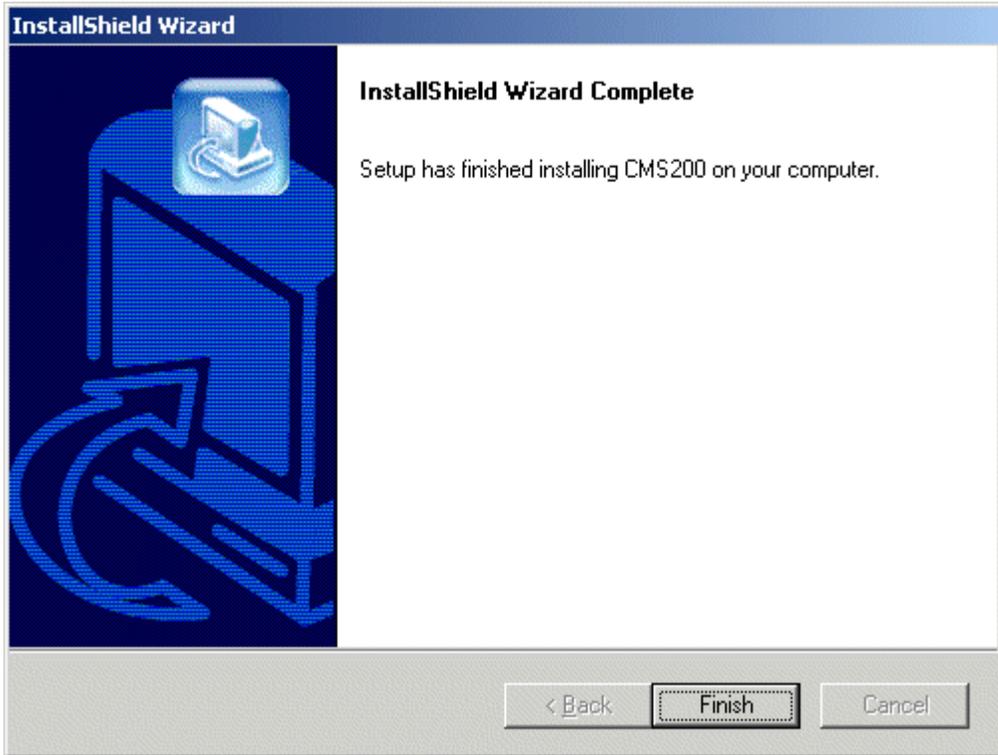
On this screen, specify the folder where you wish to create the start menu shortcut. Either accept the default, or enter a new folder path. Once completed, click the **Next >** button at the bottom of the screen to continue.

13. After you click the next button, the installation program has all the information needed to properly install all the files and finish the installation.



This screen gives you a status on the installation. When the bar reaches 100%, the installation is complete.

14. Once the installation is complete, you will see the following screen:



From here, click the **Finish** button, and you are ready to explore your new Ektron CMS200 Web site.

What's Next?

Installing to a MS-SQL Database

To install Ektron CMS200 for a MS-SQL database, begin by double clicking on the executable file that was downloaded from the Ektron Web site:

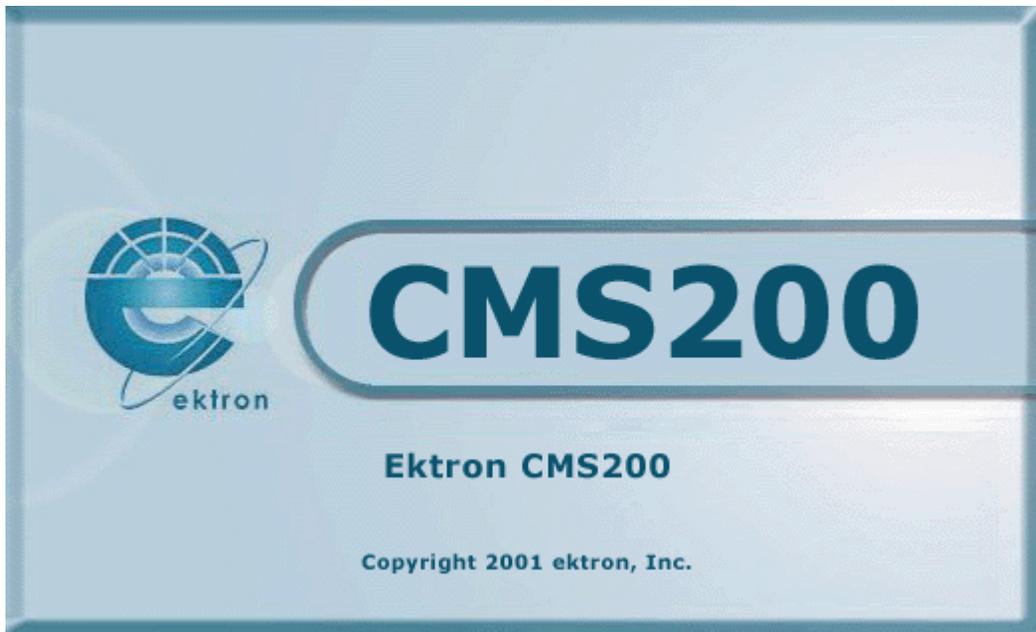


CMS200.exe

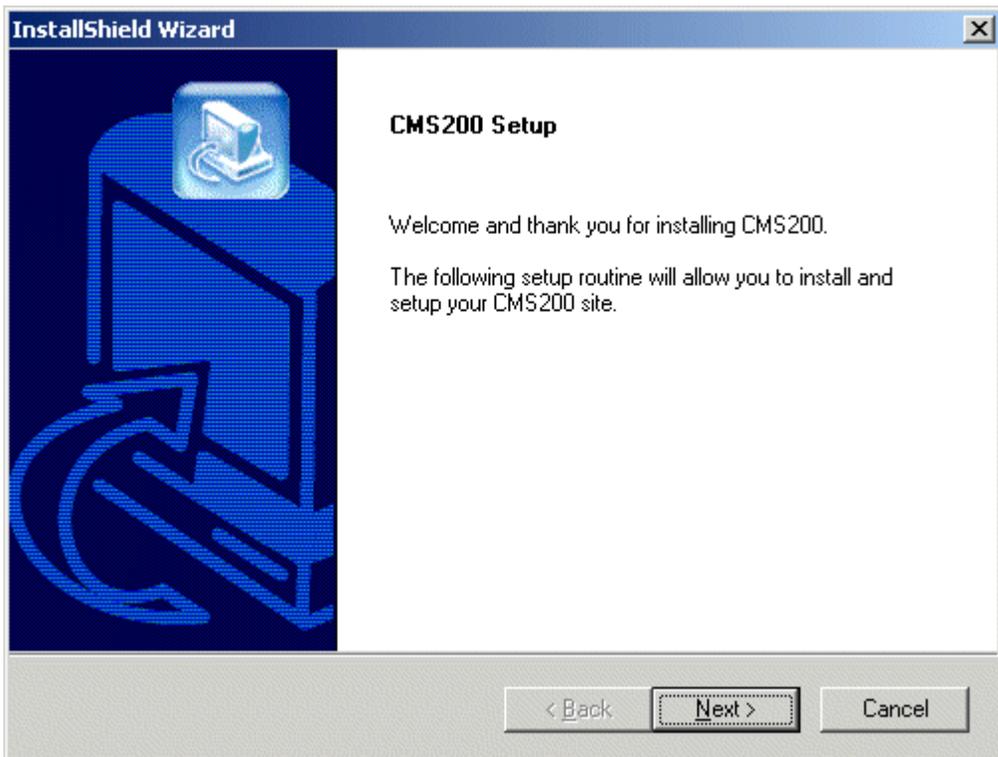
Running CMS200 Setup

Once you have double clicked on the executable file for Ektron CMS200, the installation process will begin. This section will explain each screen in the process of installing Ektron CMS200 with a MS-SQL database.

1. The first screen that you will see is the splash screen:

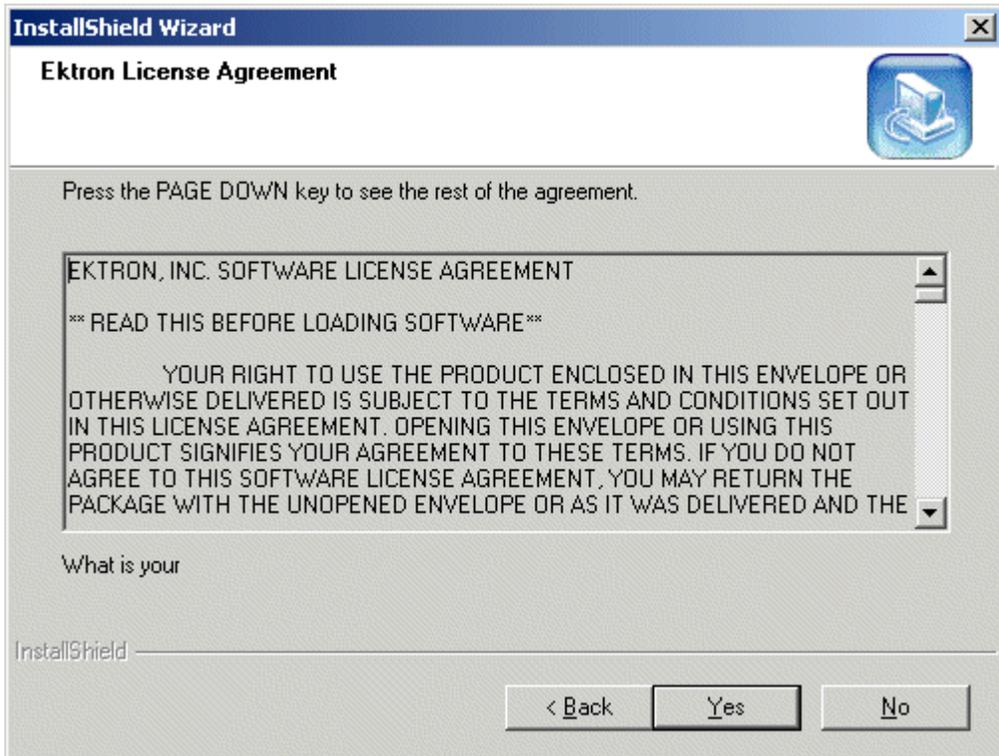


2. After the splash screen, you will see the following screen:



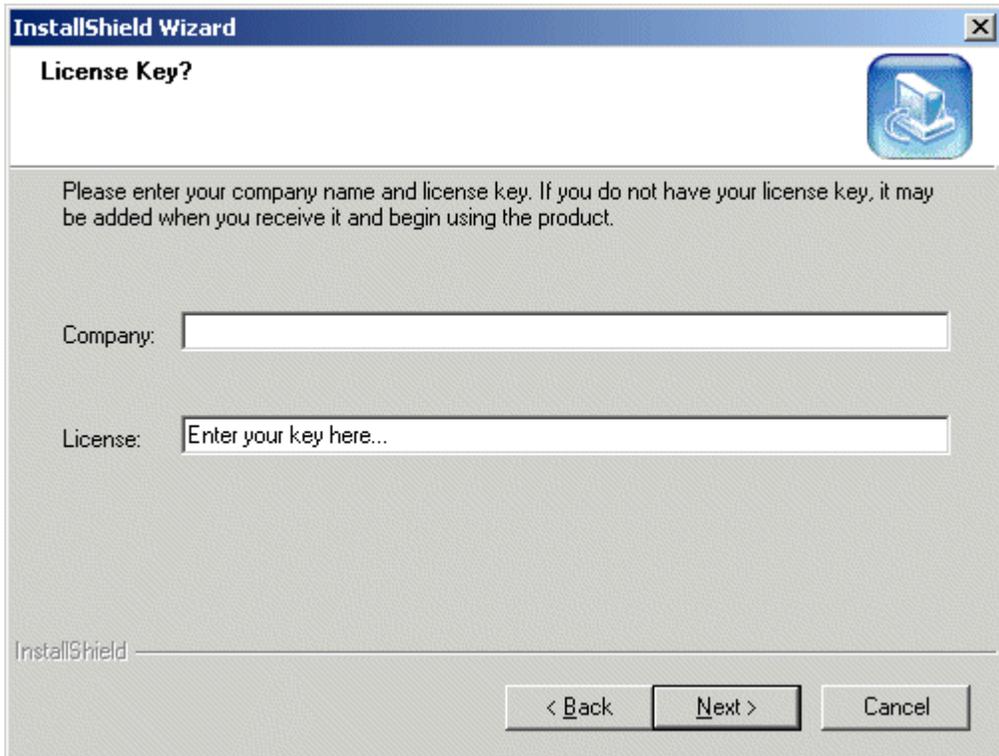
At this screen, click **Next >** to continue.

3. Once you click the next button, you will then be taken to the Ektron License screen. Here, you can view the license agreement for Ektron CMS200.



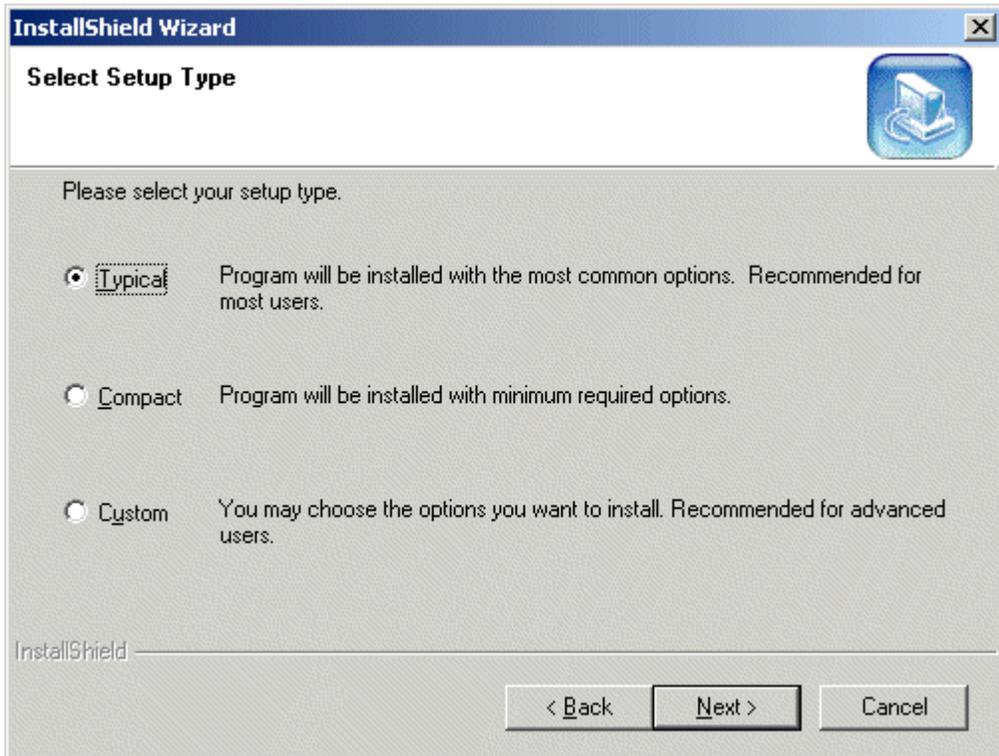
Once you have read the license agreement, and if you agree to the terms and conditions, click the **Yes** button at the bottom of the screen.

4. After you have agreed to the license agreement and have clicked the yes button, you will then be taken to the following screen:



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5. The next screen that you will see is the Setup Type screen.

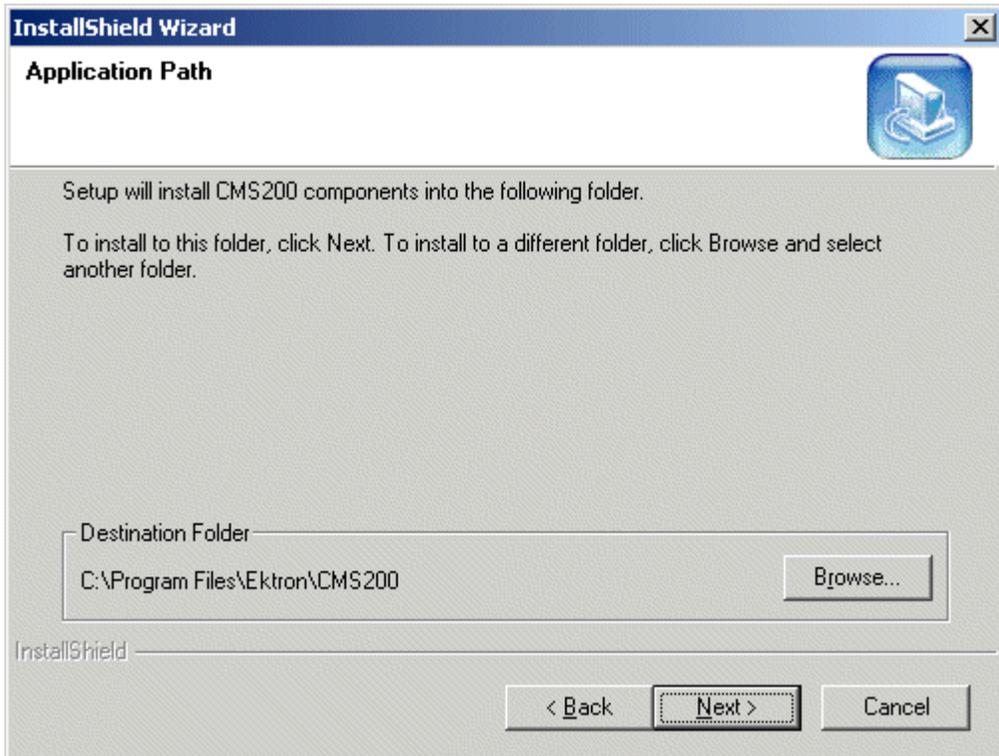


At this screen, you can choose which type of installation you would like to perform:

- **Typical** - Recommended, this will install all the files for Ektron CMS200.
- **Compact** - This will install the minimum amount of files.
- **Custom** - You may choose the files and options that you want to install.

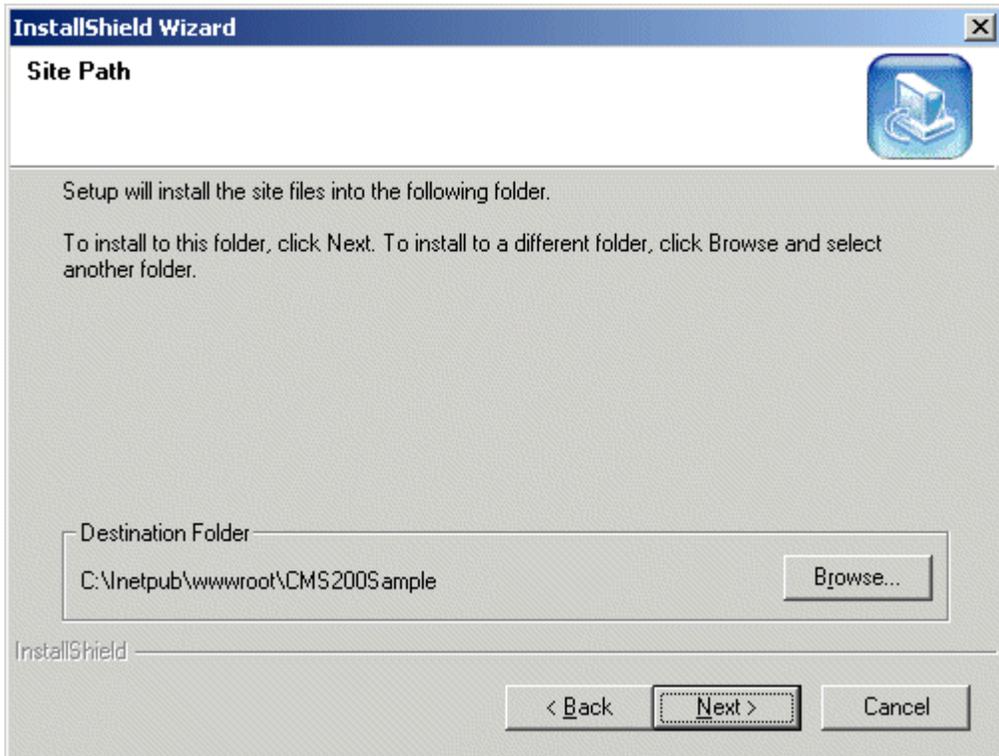
Once you have selected which type of installation you wish to run, click the **Next >** button to proceed.

6. After you select the setup type, you will then proceed to the following screen.



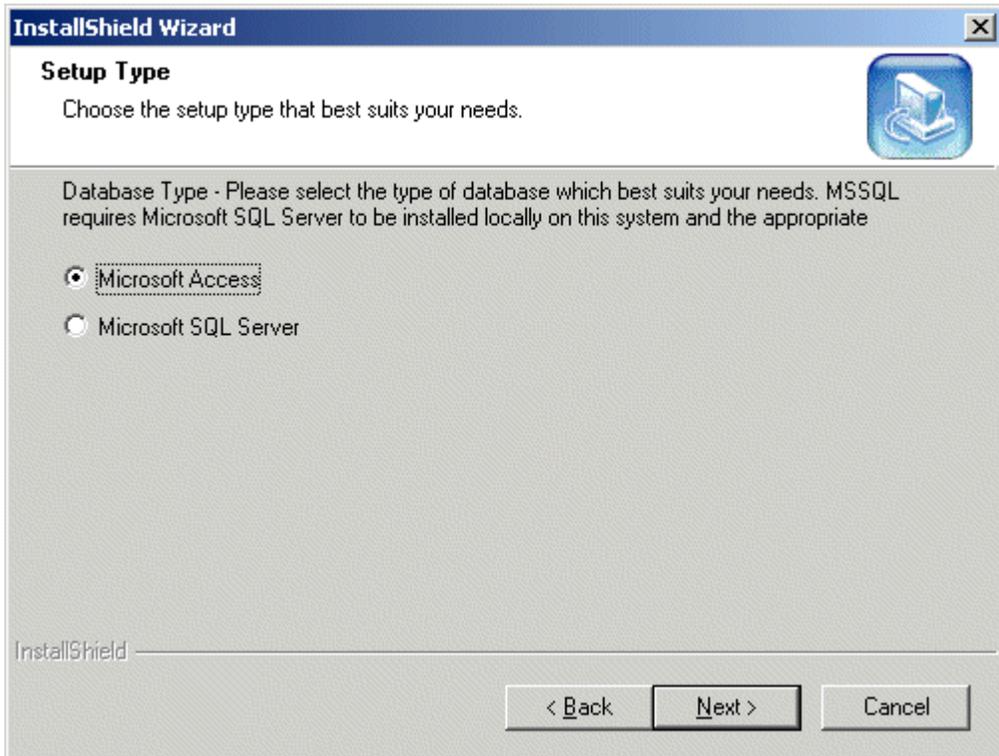
At this screen, specify the location where you wish to install the Ektron CMS200 components. Either keep the default or browse for a new directory. Once completed, click the **Next >** button to proceed.

7. After you have specified the application path, you will then need to specify the site path.



The site path is where the necessary scripts to run an Ektron CMS200 Web site are installed to. Either keep the default, or browse for a new folder. Once completed, click the **Next >** button to proceed.

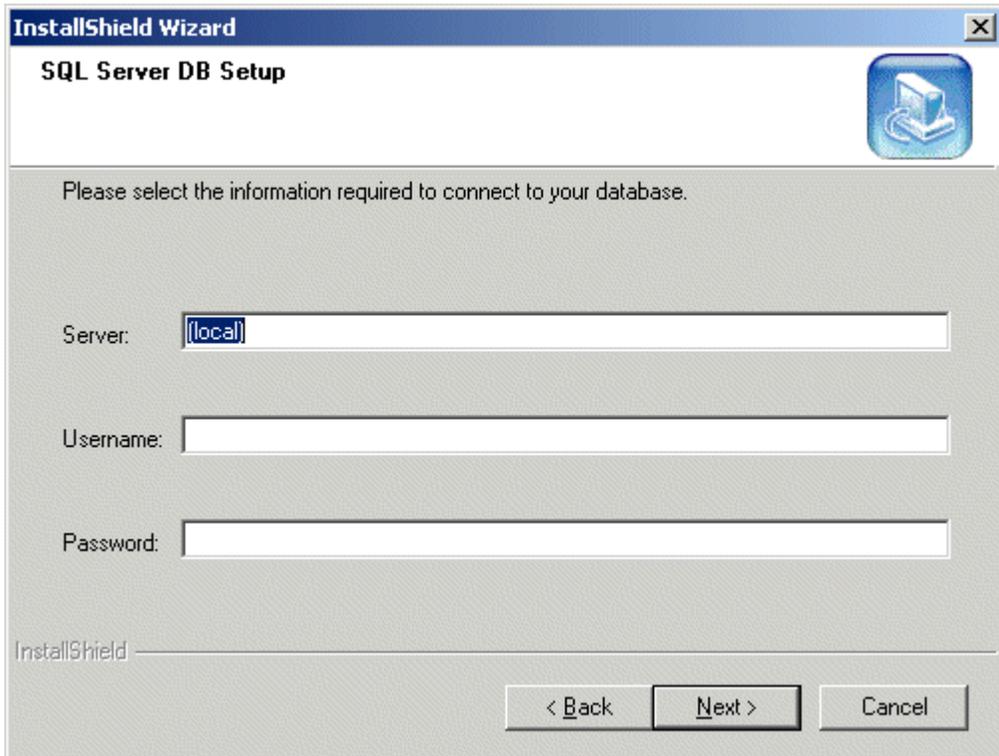
8. Once you have clicked the next button, you will be taken to the screen where you will choose which type of database to install.



Click on Microsoft SQL Server, then click the **Next >** button at the bottom of the screen to continue.

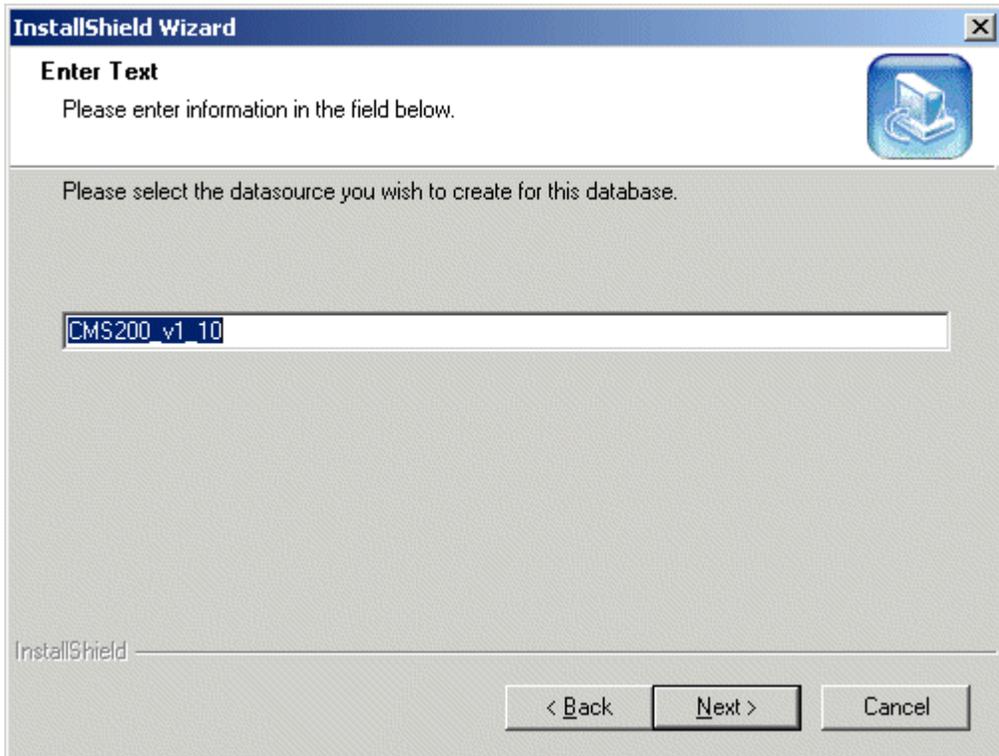
NOTE For information about installing a Microsoft Access Database, see "Installing to an Access Database" on page 7.

9. Once you have selected to install an MS-SQL database, you will then need to enter information needed to setup the SQL database.



At this screen, you will need to enter the Server where you wish to create the database on and a valid username and password for a user with permissions to the SQL server to add the database. Once you have entered the information, click the **Next >** button to continue.

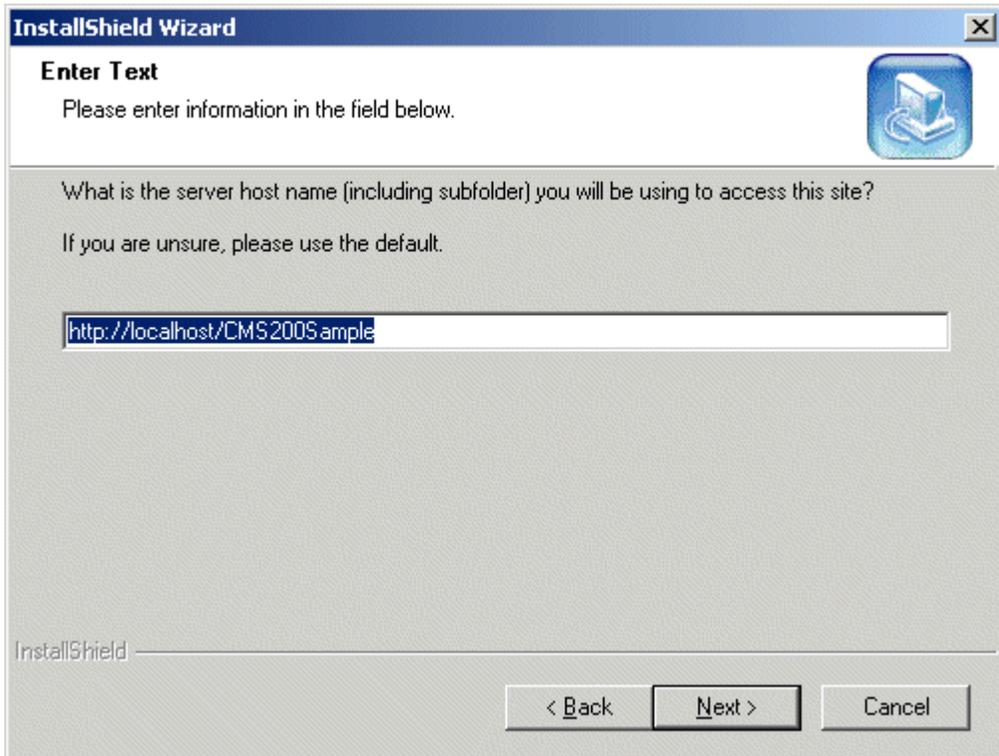
10. Once you have specified the SQL Server information, the next screen will allow you to create the DSN for the database.



At this screen, either accept the default DSN name, or edit it to be whatever you like. Once you have chosen a name for the DSN, click the **Next >** button at the bottom of the page to continue.

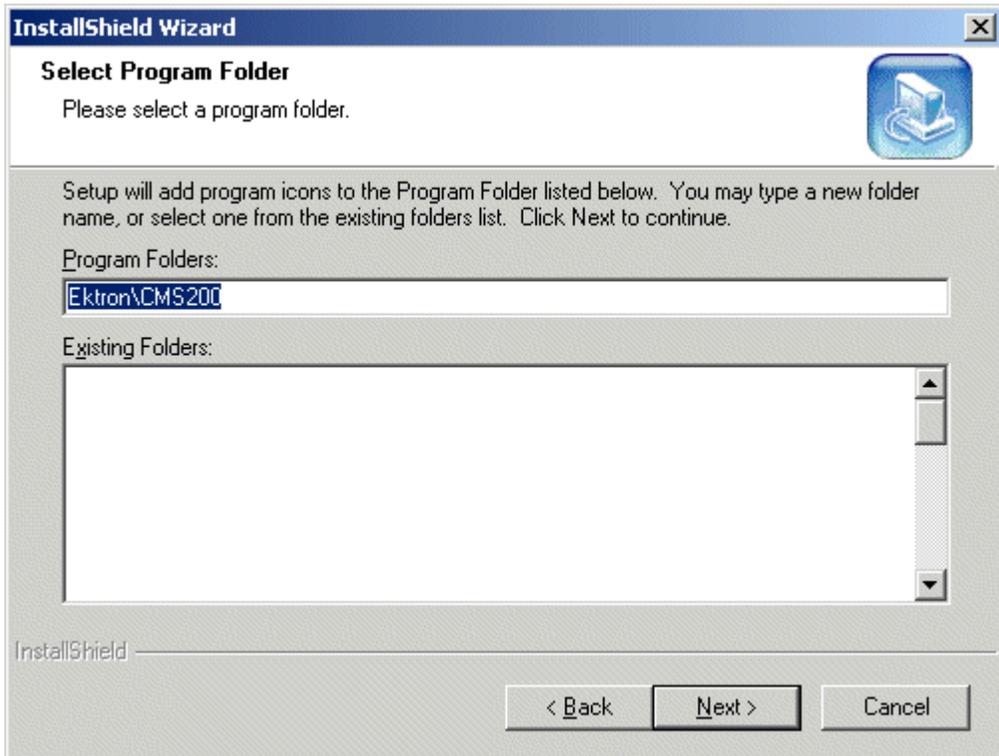
NOTE For information about creating a DSN-less connection using an OLE DB connection string, see "DSN-less Connection" on page 71.

11. After you have configured all the database information, you will need to enter the server host name at the next screen seen below.



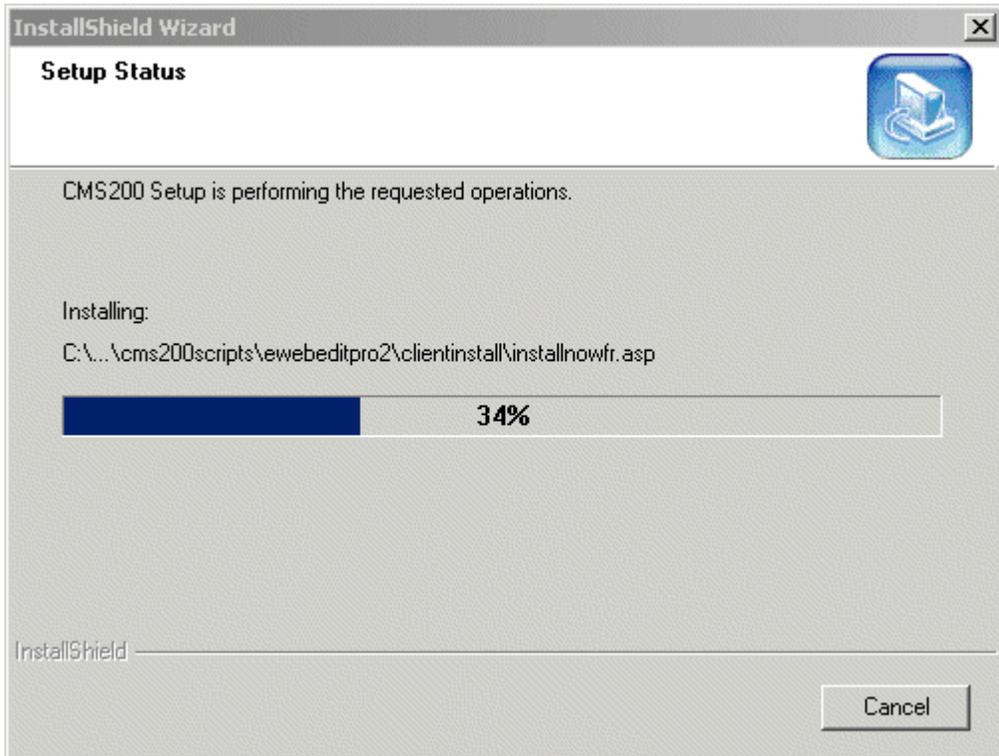
The server host name is the path you will be using to access the Ektron CMS200 Web site. At this screen, you can either accept the default host name, or enter your own. Once completed, click the **Next >** button to continue.

12. The next screen will assist you in creating a short cut in your start menu in Windows.



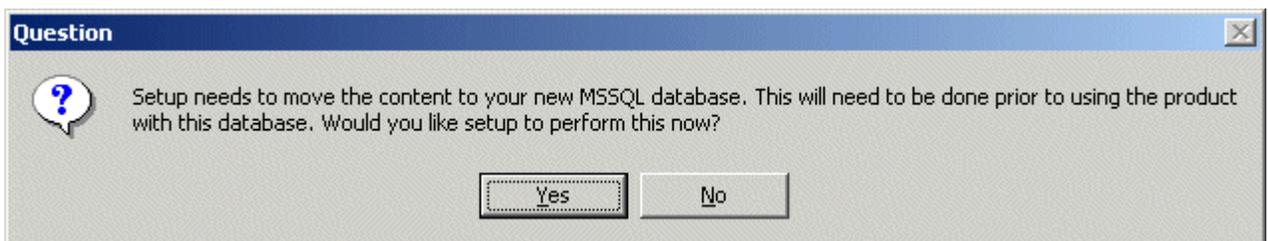
On this screen, specify the folder where you wish to create the start menu shortcut. Either accept the default, or enter a new folder path. Once completed, click the **Next >** button at the bottom of the screen to continue.

13. After you click the next button, the installation program has all the information needed to properly install all the files and finish the installation.



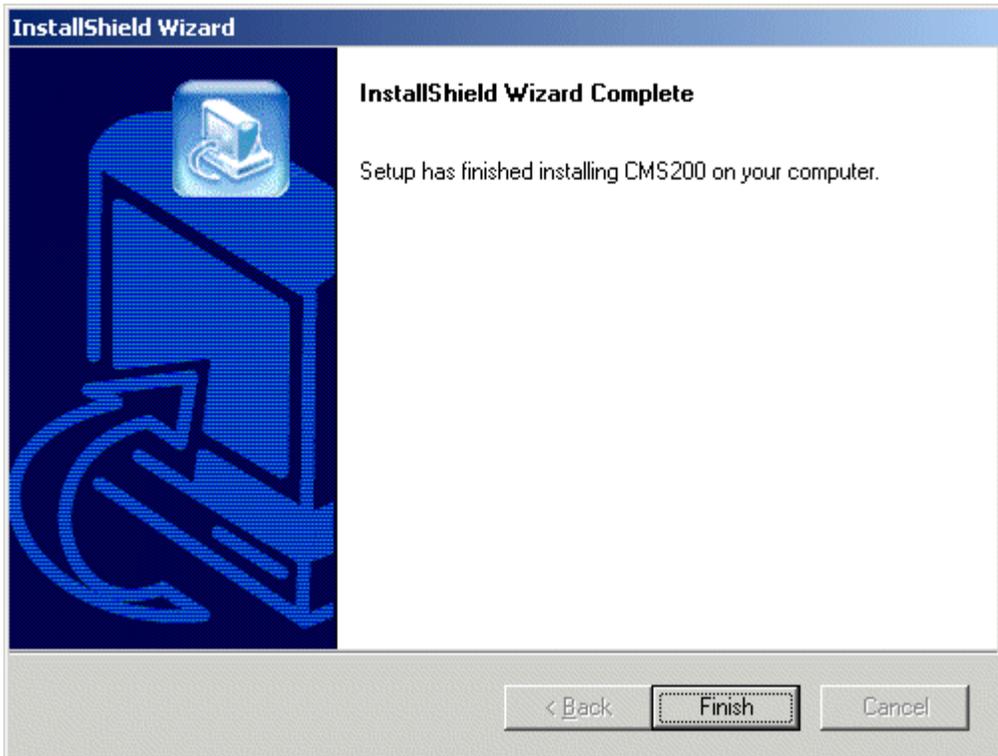
This screen gives you a status on the installation. When the bar reaches 100%, the installation is complete.

14. Once the status is 100% complete, you will see the following information box:



Click **Yes** to move the sample site content to the MS-SQL database. Clicking **No** will not move the content and you will need to perform this manually.

15. Once the installation is complete, you will see the following screen:



From here, click the **Finish** button, and you are ready to explore your new Ektron CMS200 Web site.

Upgrading to Version 1.5

If you already are using a previous version of Ektron CMS200, then you will be able to take advantage of the upgrade that is included in the installation file. The upgrade will install all the new files for Ektron CMS200 Version 1.5.

This section will explain the steps for a Ektron CMS200 Upgrade. Begin by double clicking on the executable file that was downloaded from the Ektron Web site:

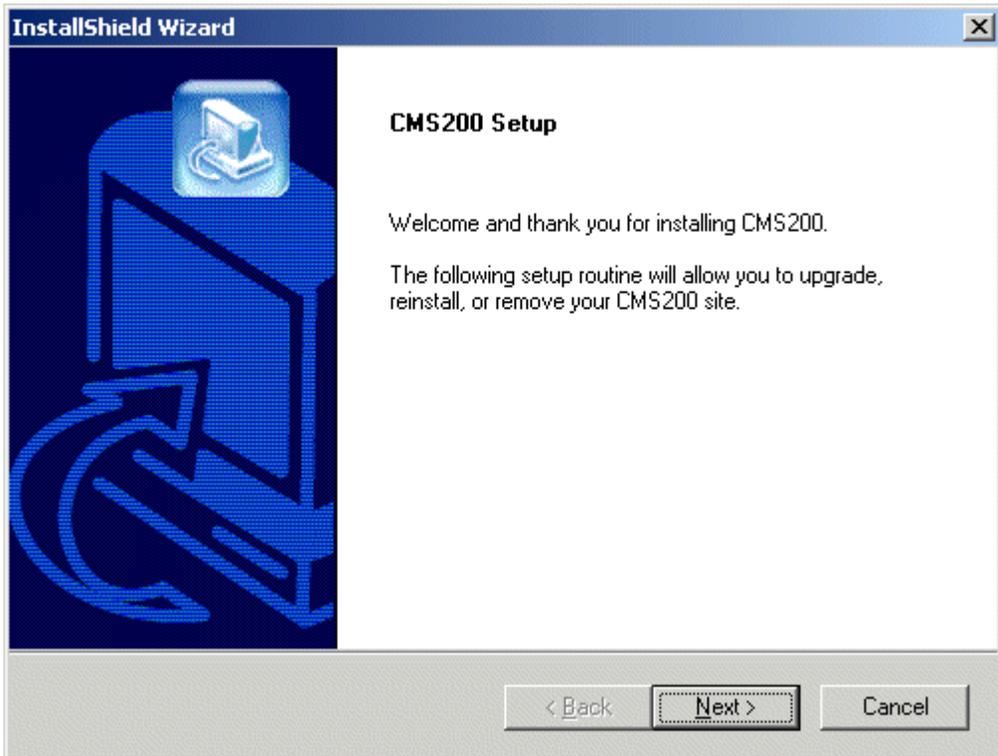


CMS200.exe

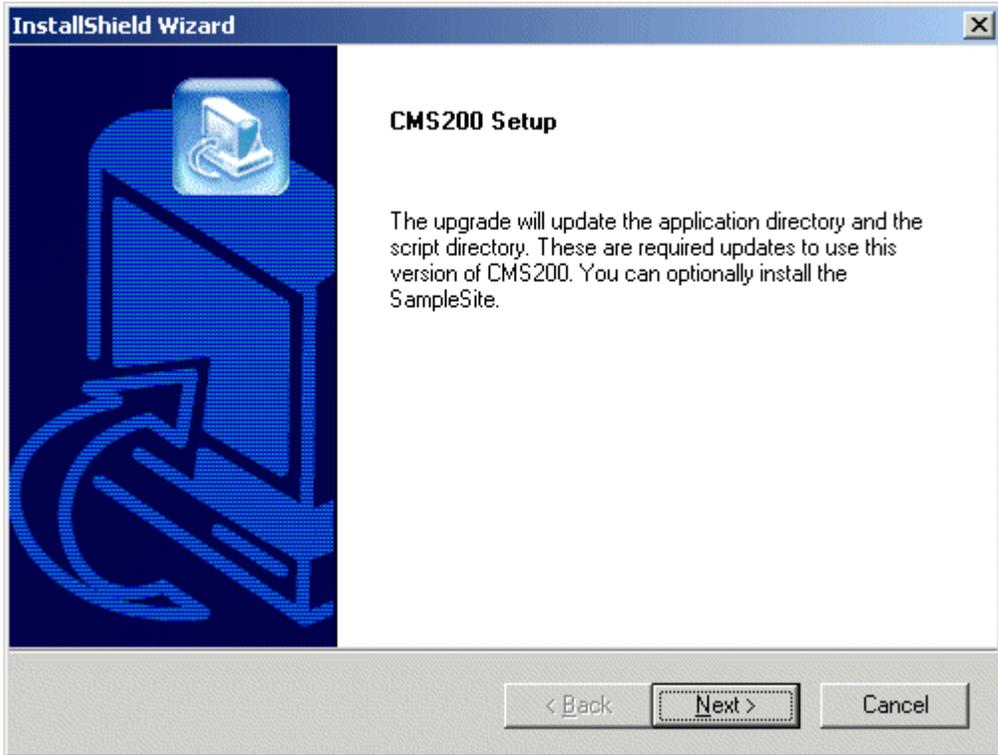
Running CMS200 Setup

Once you have double clicked on the executable file for Ektron CMS200, the installation process will begin.

1. Once you have double-clicked on the executable file, the setup process will begin, and you will see the following screen:

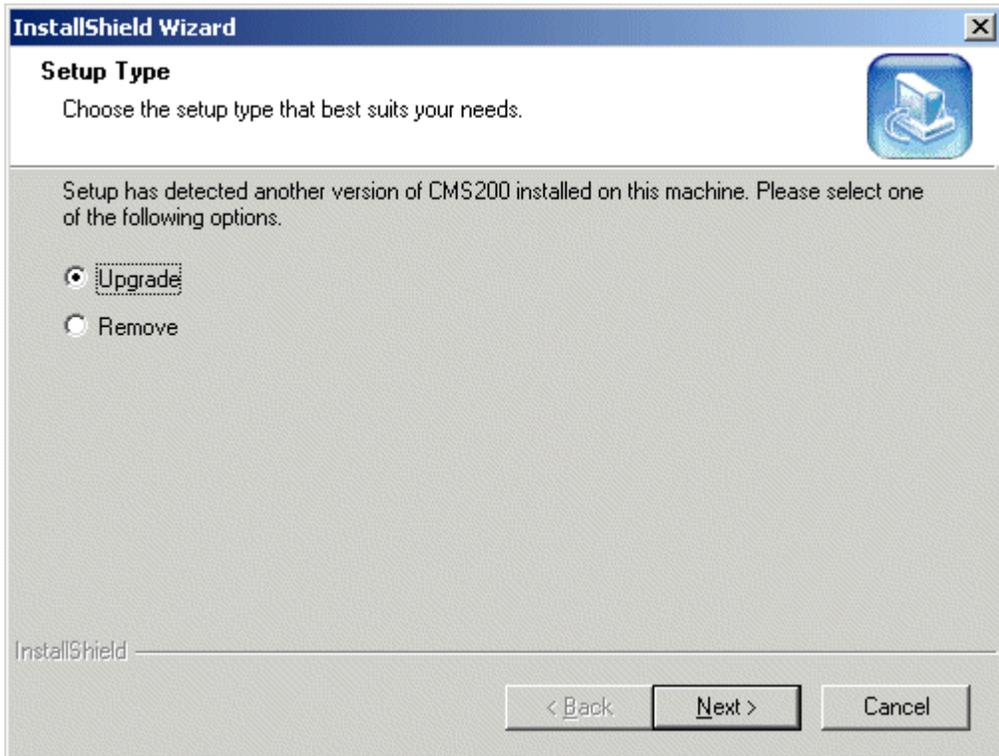


- At this screen, click **Next >** to continue.
2. Once you have clicked the next button, you will see the following screen.



To continue, click the **Next >** button.

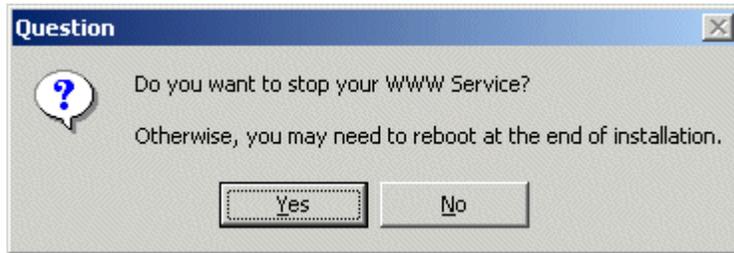
-
3. After you click the next button, you will be taken to the setup type screen seen below.



At this screen, choose which type of setup you would like to perform. Click **Upgrade**, then click the **Next >** button at the bottom of the screen to continue.

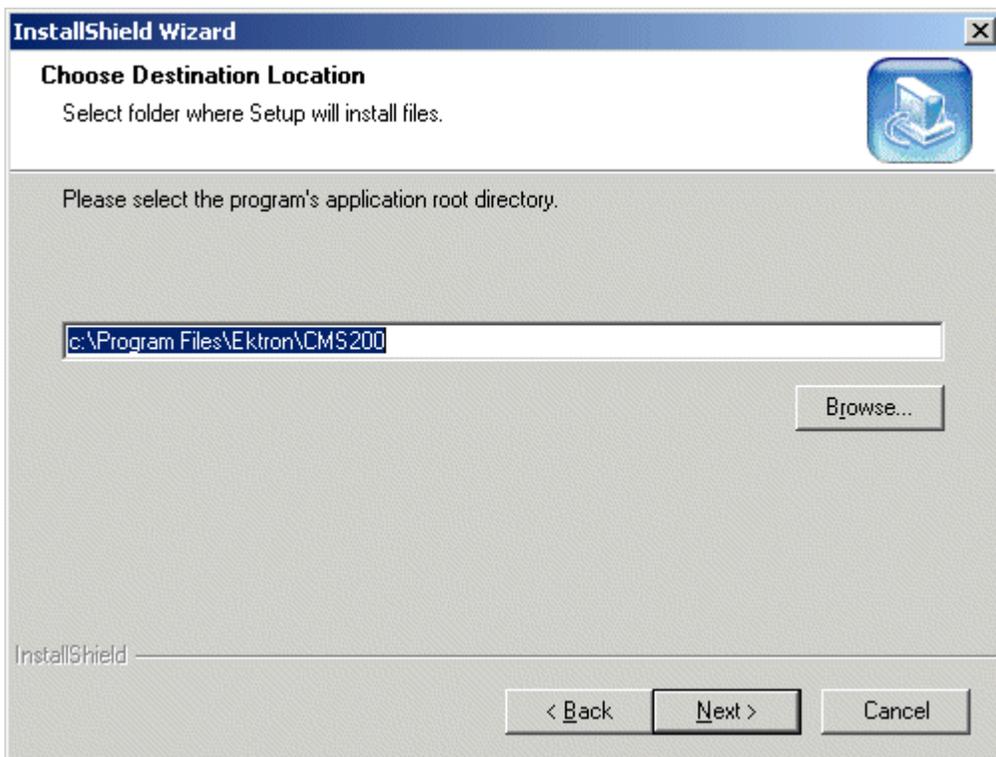
NOTE For information about removing Ektron CMS200, see "Uninstalling Ektron CMS200" on page 99

4. Once you click the next button, you will be asked the following question:



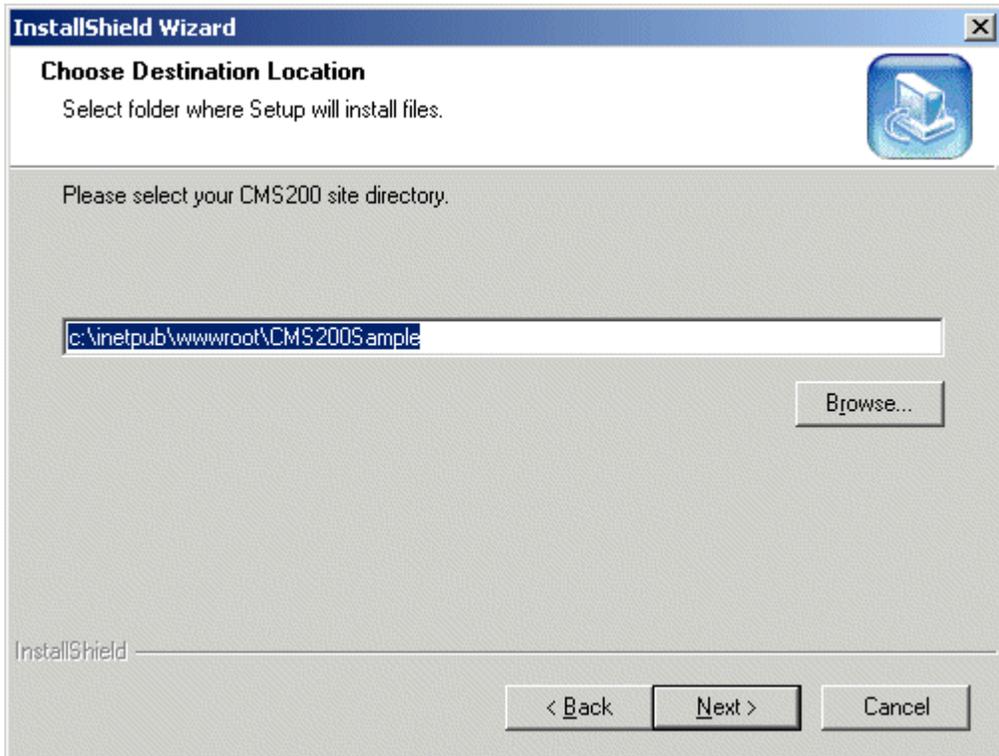
Click **Yes** to stop your WWW Service and continue, or click **No** to continue without stopping the service.

5. After you choose yes or no, you will then be taken to the following step in the upgrade program.



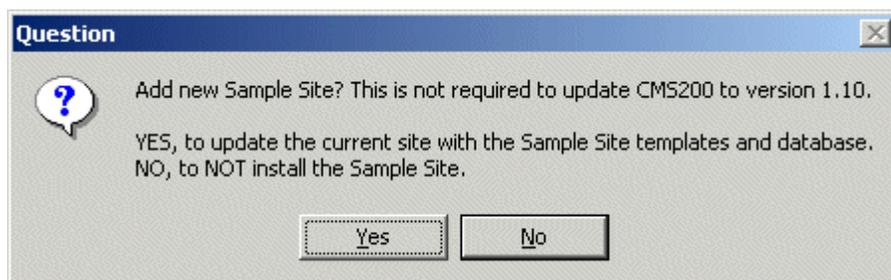
At this screen, you will need to enter the directory where the Ektron CMS200 Components were installed to in your previous version. This will allow the upgrade to overwrite them with the new files. Once you have entered the valid root directory, click the **Next >** button to continue.

6. Once you click next, you will be taken to the following screen:



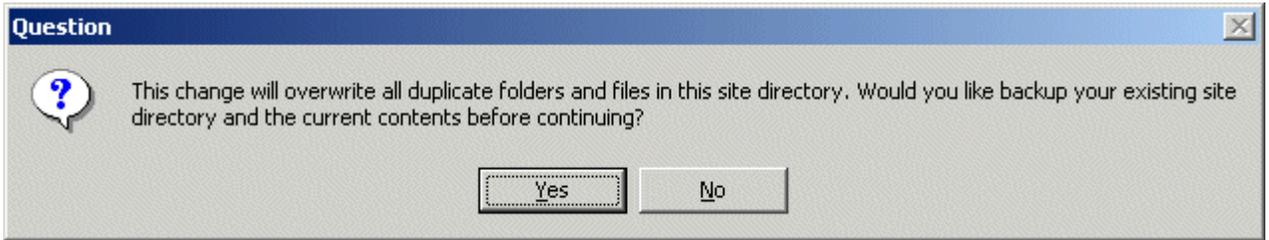
At this screen, you will need to enter the Ektron CMS200 Site directory. Once you have entered the correct location, click the **Next >** button at the bottom of the screen to continue.

7. After you specify the site directory, you will be prompted with the following question:



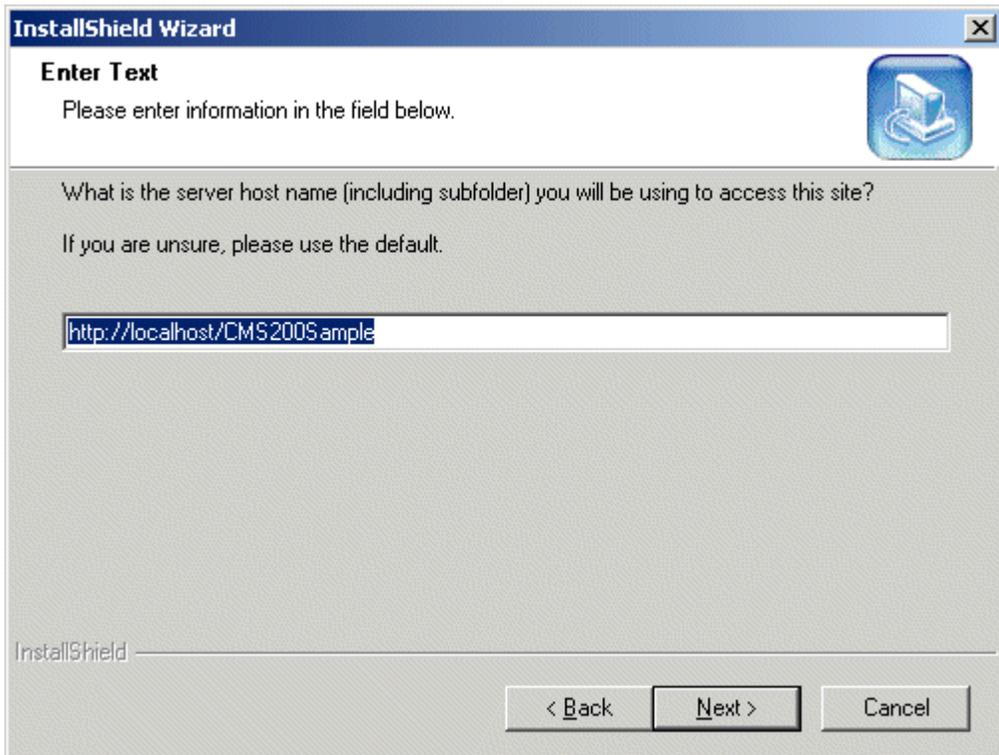
If you click **Yes**, the current Ektron CMS200 Site will be replaced with the new sample site information. If you click **No**, then your current site will remain the same.

8. If you click the Yes button, you will then be prompted with the following question:



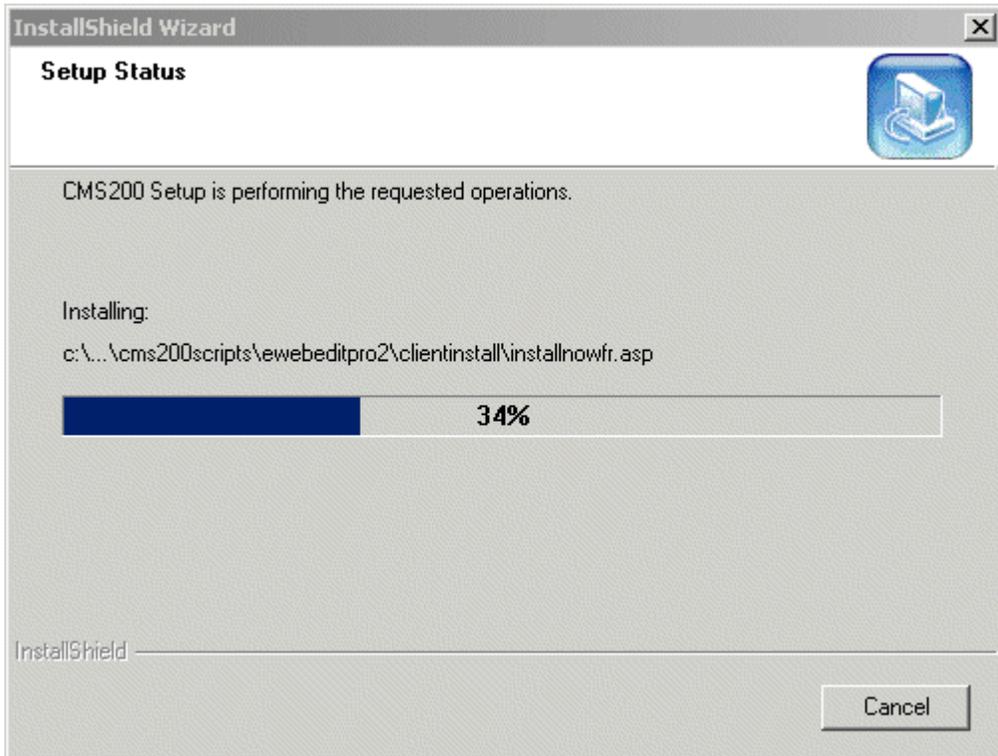
Clicking **Yes** will backup your current Ektron CMS200 Web site, while clicking **No** will not.

9. Once you click a button, you will be taken to the host name screen.



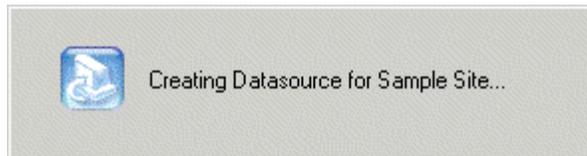
At this screen, specify the path of the host that Ektron CMS200 will be running on, or keep the default. Click **Next >** to proceed.

10. Once you click next, you will see the setup status window.



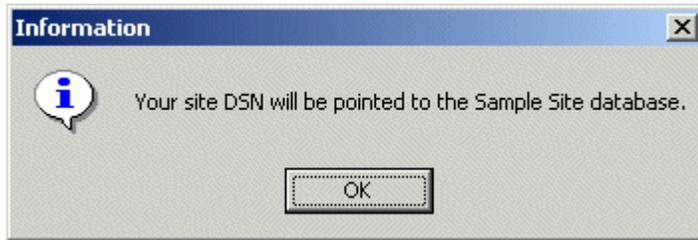
Once this reaches 100%, the installation will be complete.

11. During the setup status, you will see the following message.



This informs you that the sample site is being created.

12. Once the sample site is finished being populated, you will see a message like the following.



This message informs you that the new version of Ektron CMS200 will use the old DSN, but point it to the new database

13. Once you click OK, you will see the next screen



This screen informs you that all the site variables are being updated.

14. Once the site variables are configured, the installation is over, and you will be able to access your upgraded Ektron CMS200 Web site!

Installing Ektron CMS200 in a Hosting Environment

To install Ektron CMS200 in a hosted environment, first install Ektron CMS200 according to the “Installing Ektron CMS200 ” chapter. Once that is complete, create separate directories for each hosted web site. The process is described below.

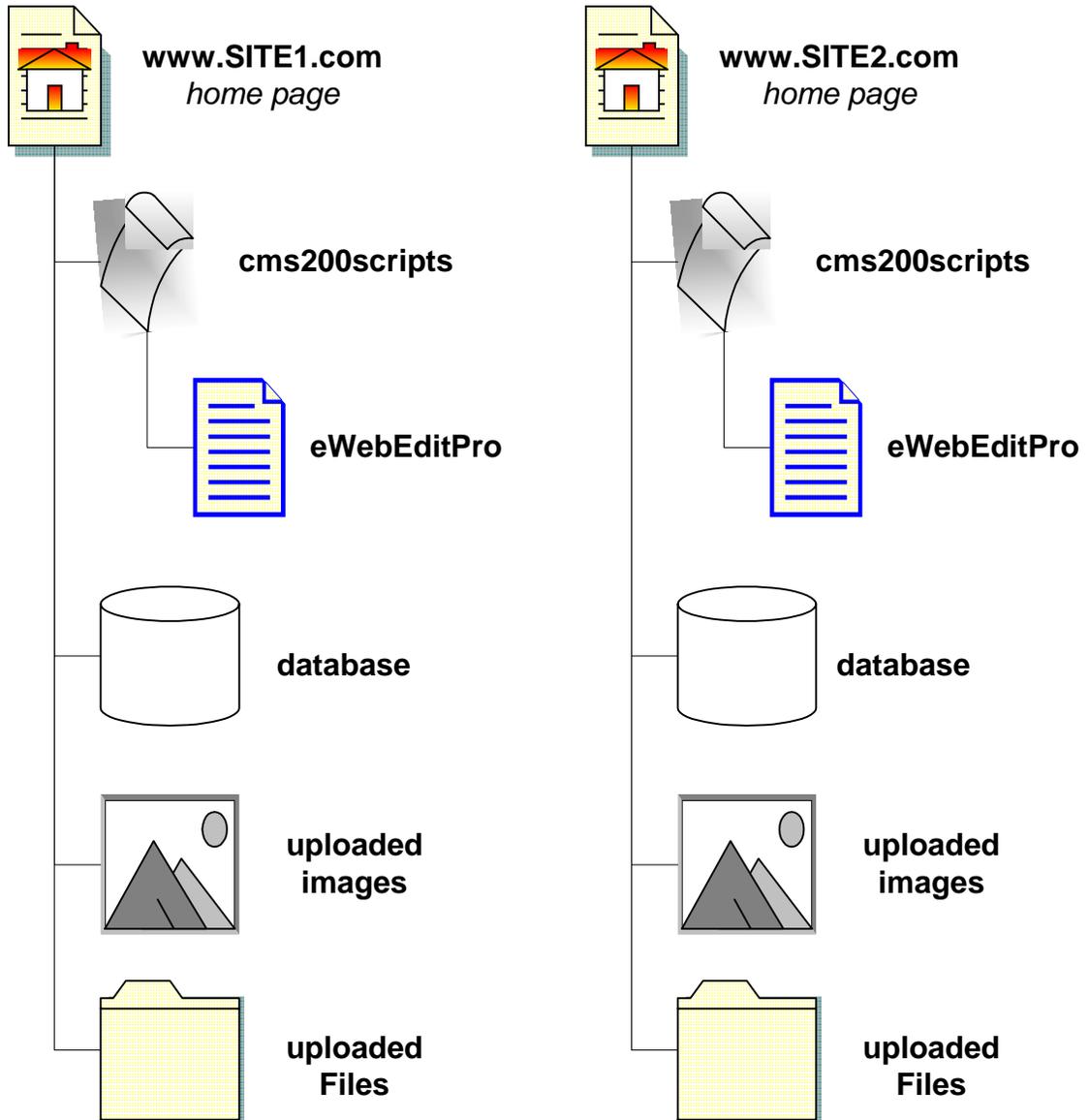
Running CMS200 Setup

Follow all the steps shown in the previous chapter about running the install which you downloaded from the Ektron site.

Setting up Directories

After you run the install, create new Web enabled directories for each of the web sites that will be hosted with Ektron CMS200.

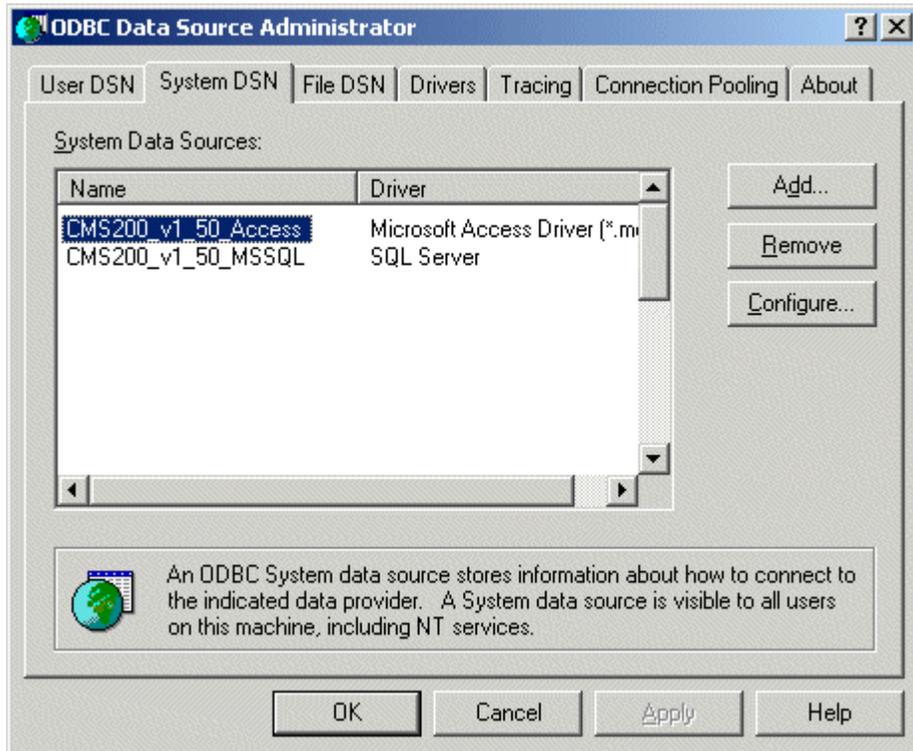
1. Go to the `\inetpub\wwwroot` directory
2. Create X amount of folders (depending on how many sites will be hosted using Ektron CMS200)
3. Name each folder uniquely
4. Copy the contents of the **CMS200Sample** directory into each of the folders created.



Creating DSNs

When finished copying the data into the directories, create unique DSNs for each of the sites.

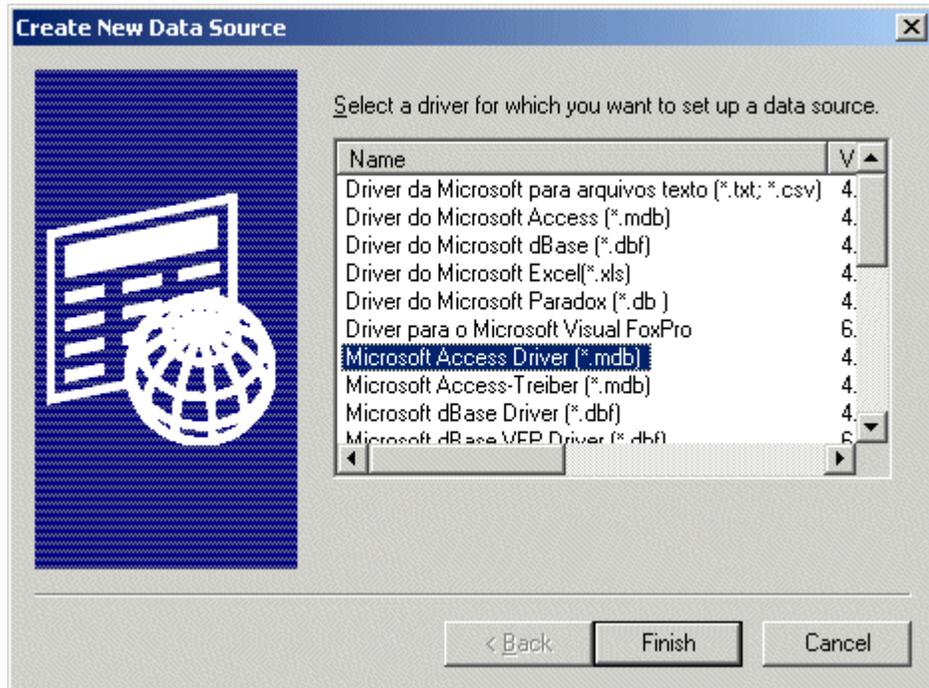
1. Follow the path **Start > Programs > Administrative Tools > Data Sources (ODBC)**
2. Click on the **System DSN** tab



3. Click the **Add** button



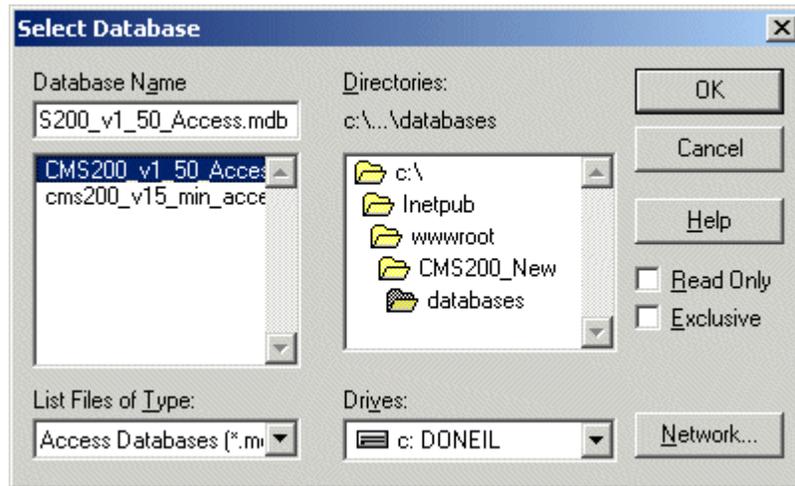
4. Select **Microsoft Access Driver (*.mdb)**



5. Click **Finish**
6. Enter a **Data Source Name**



7. Click the **Select** button
8. Explore until you find the proper database, then click **OK**



9. Click **OK** on the ODBC Microsoft Access Setup window
- Repeat these steps for each Web Site that the server will be hosting, then click **OK** to exit the Data Source (ODBC) Manager.

Updating Setup.asp

Some code in the setup.asp file will need to be changed so each Web site will have the proper DSN and site path.

1. Go to the file:
C:\inetpub\wwwroot\NewSite1\cms200scripts\setup.asp,
and open it with any web development tool.
 - Change DSN="CMS200_Sample_v11" to DSN="your new DSN"
 - Change sitepath="/CMS200Sample/" to sitepath="/your new sitepath/"

```

1  <%
2  Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadP
3  Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPat
4  DSN = "Insert New DSN Here..."
5  sitePath = "/Insert New Site Path Here.../"
6  buildNumber = "1.5.0.06"
7  DBusername = ""
8  DBpassword = ""
9  Version = "1.50"
10  UseSSL = false
11  SSL_Port = 443
12  PostAcceptorFile = "uploader.asp"

```

An example for this is:

```

1  <%
2  Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadP
3  Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPat
4  DSN = "CMS200_Site2"
5  sitePath = "/CMS200_New/"
6  buildNumber = "1.5.0.06"
7  DBusername = ""
8  DBpassword = ""
9  Version = "1.50"
10  UseSSL = false
11  SSL_Port = 443
12  PostAcceptorFile = "uploader.asp"
13

```

2. Save settings, and close window.

Repeat these steps for each Web site that you will be hosting.

What's Next?

Once you have successfully created the DSNs for each site, and configured the setup.asp files, you will be ready to run each of these separate Web sites from your computer.

SSL Support

In Ektron CMS200, you can now SSL when logging in to your Web site. This is an option that can be turned on or off depending on whether you would like to use it. When you set up the SSL Certificate properly, then configure Ektron CMS200 to use it, the login page will be launched in a Secure Socket Layer.

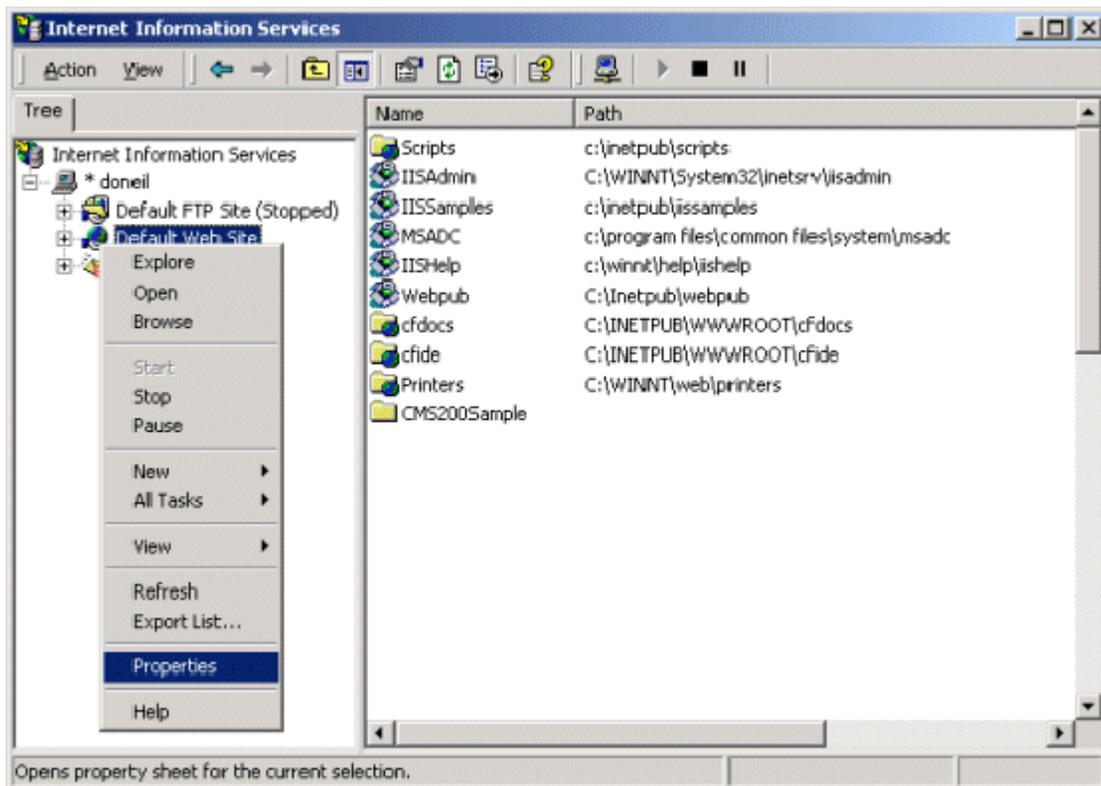
This SSL support will allow the username and the user's password to be encrypted during transmissions to the server.

This chapter will discuss setting up the SSL for Ektron CMS200.

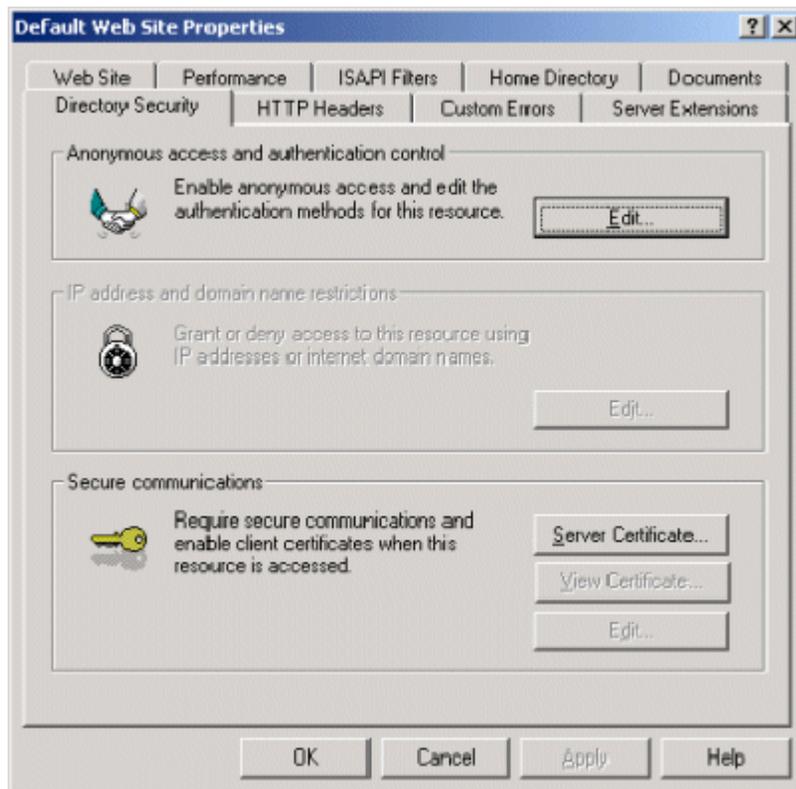
Setting Up the Certificate

If your Web server doesn't already have a certificate installed to it, you will need to install one. To do this:

1. Access the Internet Information Server Administrator Console on your Web server.
2. Navigate the the computer and Web site that Ektron CMS200 has been installed to.
3. Right click on the Web site.



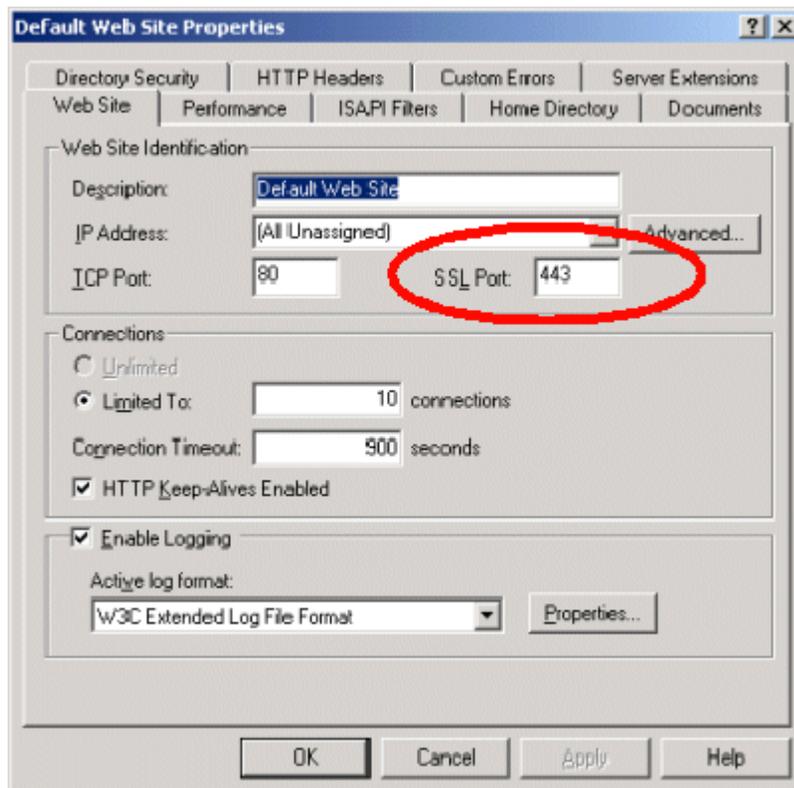
4. Click **Properties** from the list.
5. Click on the **Directory Security** tab



6. In the Secure Connections area, click on the **Server Certificate** button



7. Go through the wizard or setting up the certificate for your Web site.
8. When you have completed the setup for the certificate, click the **Web Site** tab at the top of the Properties window.



9. Set the **SSL Port** that you want the Web server to use.
10. Click the **OK** button at the bottom of the page when you have completed all the steps.

Once you have installed the Certificate to the Web server, you can now configure Ektron CMS200 to use it.

Updating CMS200

On the Web server where Ektron CMS200 is installed to, navigate to the **setup.asp** file which, by default, gets installed to the following directory:

C:\inetpub\wwwroot\cms200sample\cms200scripts

Once you arrive to the file, open it in any Web development tool. Once the file is open, look about halfway down the file for the line of code that says **Use SSL**.

```

<%
Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadPath, AppConfStr
Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPath, buildNumber,
PostAcceptorFile, Version, UseSSL, SSL_Port
DSN = "CMS200_v1_50_MSSQL"
sitePath = "/CMS200Sample/"
buildNumber = "1.5.0.06"
DBusername = ""
DBpassword = ""
Version = "1.50"
UseSSL = false
SSL_Port = 443
PostAcceptorFile = "uploader.asp"

' Do not edit below here
AppPath = sitePath & "cms200scripts/"
AppPostacceptFile = AppPath & PostAcceptorFile
AppWebPath = AppPath & "ewebeditpro2/"
' this path is relative from the default root
AppConfStr = DSN & "," & DBusername & "," & DBpassword & "," & sitePath & "," &
Version _
& "," & Request.ServerVariables("SERVER_NAME") & "," &
Request.ServerVariables("SERVER_PORT") _
& "," & Request.ServerVariables("HTTPS")

AppName = "CMS200"
%>

```

Make the following changes to the file:

- **UseSSL= true**
- **SSL_Port = 443** (*unless you specified another SSL Port*)

```

<%
Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadPath, AppConfStr
Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPath, buildNumber,
PostAcceptorFile, Version, UseSSL, SSL_Port
DSN = "CMS200_v1_50_MSSQL"
sitePath = "/CMS200Sample/"
buildNumber = "1.5.0.06"
DBusername = ""
DBpassword = ""
Version = "1.50"
UseSSL = true
SSL_Port = 443
PostAcceptorFile = "uploader.asp"

' Do not edit below here
AppPath = sitePath & "cms200scripts/"
AppPostacceptFile = AppPath & PostAcceptorFile
AppWebPath = AppPath & "ewebeditpro2/"
' this path is relative from the default root

```

```
AppConfStr = DSN & "," & DBusername & "," & DBpassword & "," & sitePath & "," &
Version _
                & "," & Request.ServerVariables("SERVER_NAME") & "," &
Request.ServerVariables("SERVER_PORT") _
                & "," & Request.ServerVariables("HTTPS")
AppName = "CMS200"
%>
```

Save and close setup.asp, and you are all set up to use the SSL support for Ektron CMS200.

WARNING! If the UseSSL line is set to **True**, and the Certificate is **NOT** installed to the Web Server, you will be unable to log into Ektron CMS200.

The Ektron CMS200 Databases

The Ektron CMS200 application contains two Microsoft Access databases. One is a sample database which contains sample data for a user to become familiar with the use and integration of the Ektron CMS200 content management tool. The other database is a minimum database that you may use to start your Web site from scratch, without the sample content and images. As discussed earlier in the manual, the minimum database is also used for migrating from Ektron CMS100 to Ektron CMS200.

Ektron CMS200 has the capability of using a MS SQL database. Although the product doesn't come with a MS SQL database ready, it is possible to convert the Access database to a MS SQL database by using the sql script and datamover included in the CMS200 installation. The steps are shown in the next chapter.

CMS200_v1_50_Access.mdb

The initial database for Ektron CMS200, is a Microsoft Access database. This is the database for the sample Web site. It contains users, user group, and content information.

- Two users - 1 Administrator, 1 Editor
- Sample Content
- Sample Images
- Fonts

cms200_v15_min_access2000.mdb

This is a minimum database for Ektron CMS200 that has minimum

- Two users - 1 Administrator, 1 Editor
- Sample Content

- Sample Images
- Fonts

NOTE You do not need Access installed on your system to use the sample database. However, you do need the MDAC and Jet Drivers listed in the system requirements.

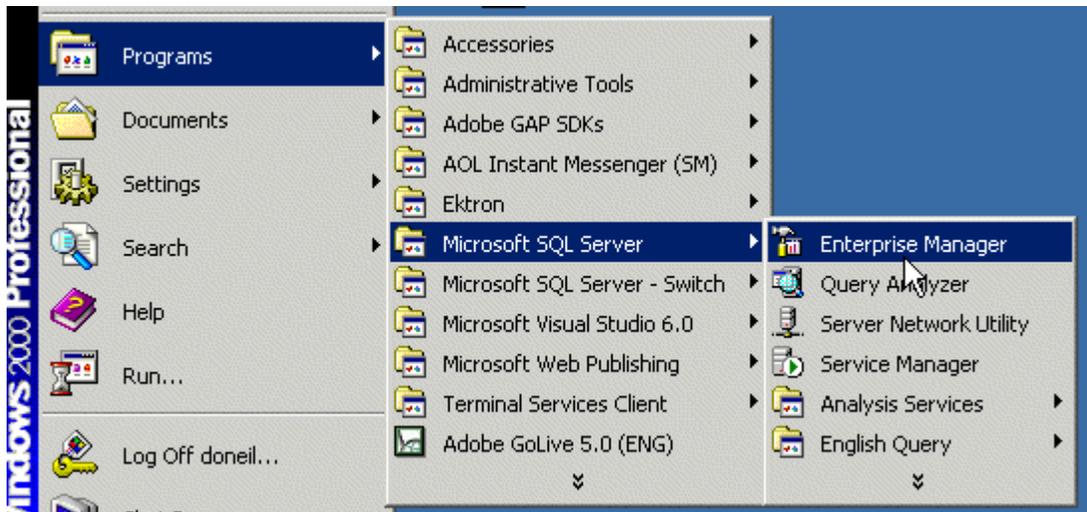
Setting Up a MS-SQL Database

As mentioned before, Ektron CMS200 is compatible with a MS-SQL Database. To create the MS-SQL database, all you need to do is to run the cms200_mssql_v15.sql script that is provided in the installation and a few other basic tasks. All this is described below.

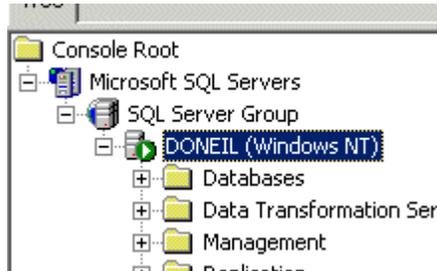
Creating An Empty SQL Database

First, you must create an MS SQL database. To do this, follow these steps:

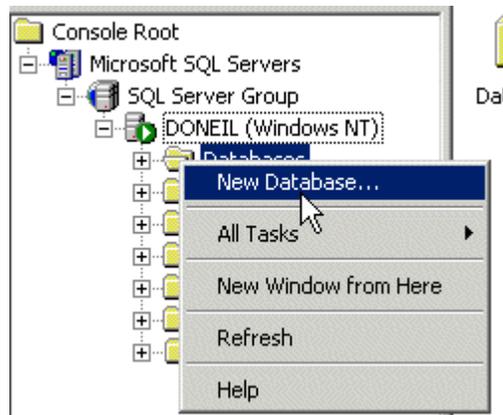
1. From the Windows start menu, open your MS-SQL Enterprise Manager.



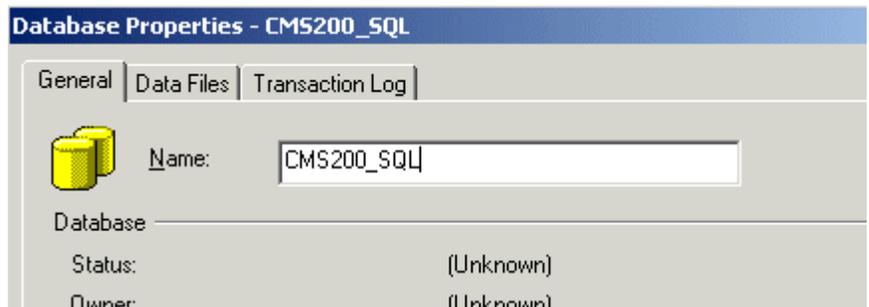
2. Select the server that you want to add the database to.



3. Right click on the database folder, and select “New Database...”



4. Enter a name for the database (e.g., CMS200_SQL)



5. Click the **OK** button at the bottom of the window. The page will be refreshed and you will see the database you just added on the right side of the screen.



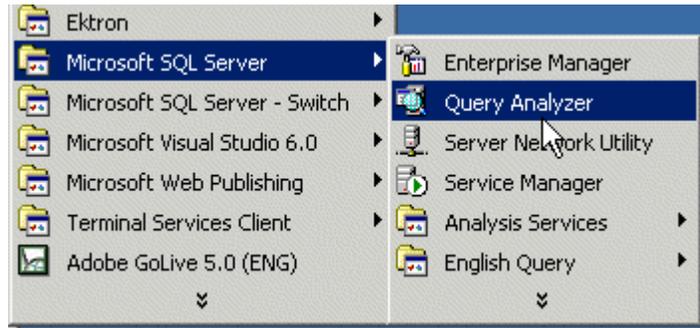
6. Close the Enterprise Manager.

Running the SQL Script

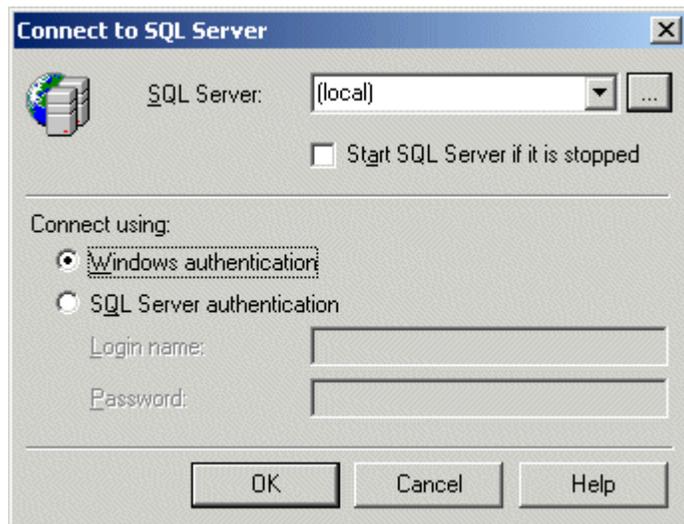
The .sql script that is provided with Ektron CMS200 will create all the necessary tables in the newly created MS-SQL database for Ektron CMS200.

The script is in the c:\Program Files\Ektron\CMS200\Utilities\ directory as **cms200_mssql_v15.sql**. To access it and run it properly, follow these steps:

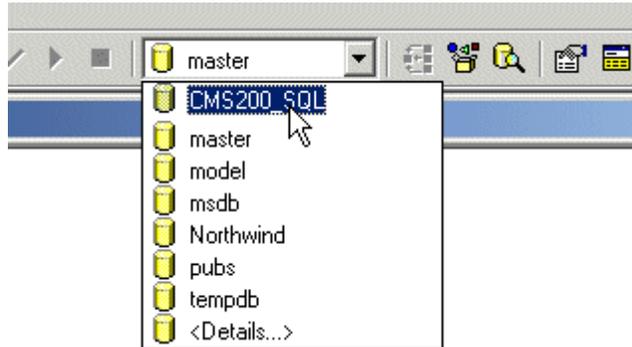
1. From Windows Start menu, open your MS-SQL Query Analyzer.



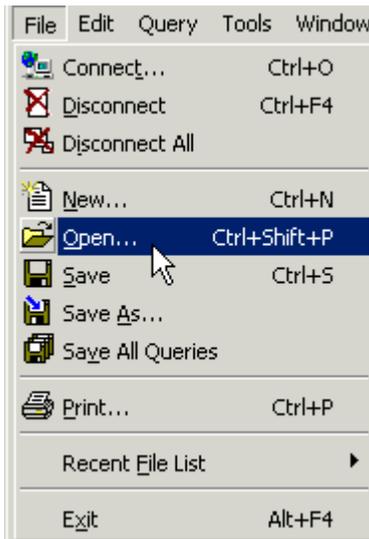
2. Select the server that you used to create the Ektron CMS200 database on, and enter the type of Authentication that you are using to connect to the SQL Server.



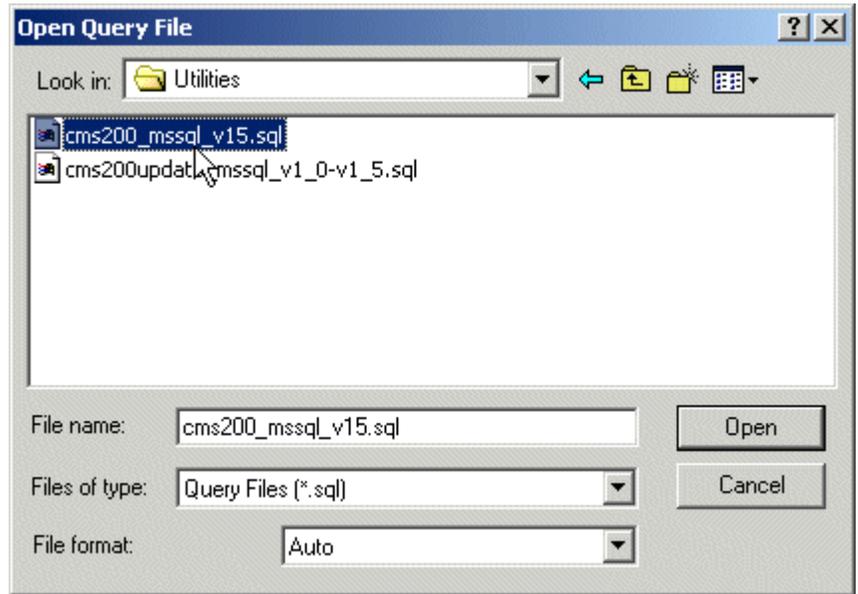
3. Select the new database that was created earlier (CMS200_SQL) from the drop down list at the top of the screen.



4. Load the sql script by selecting **Open File** either from the toolbar, of the File menu.

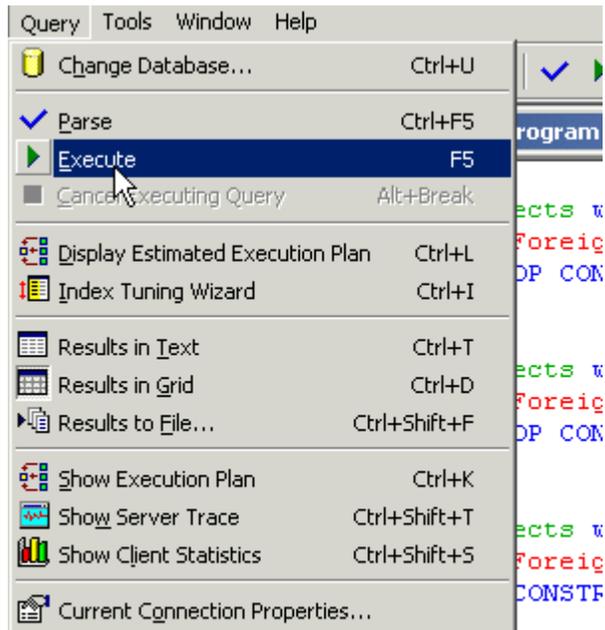


-
5. Browse for the file **cms200_mssql_v15.sql**. If you ran the default installation, you can find the script in the **\ProgramFiles\Ektron\CMS200\Utilities** directory.



6. When you have located the .sql script, select it and click the **Open** button.

7. Select the green arrow on the toolbar, press <F5>, or select the execute command from the Query menu, to run/execute the script.



```
exists (select * from dbo.sysobjects w
        and OBJECTPROPERTY(id, N'IsForeign
```

After the script executes, you will see a confirmation message that “the command(s) completed successfully.”

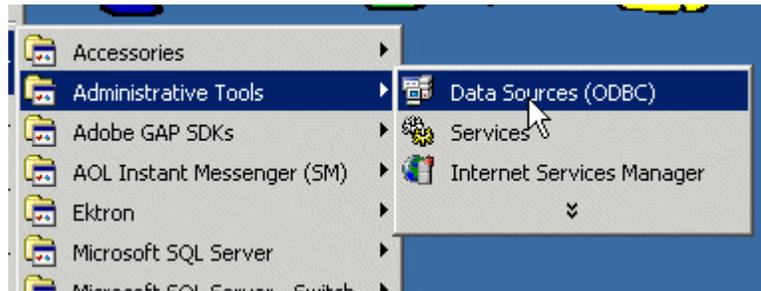
8. Finally, close the SQL Query Analyzer
You now have a blank SQL database for Ektron CMS200.

Creating New DSN

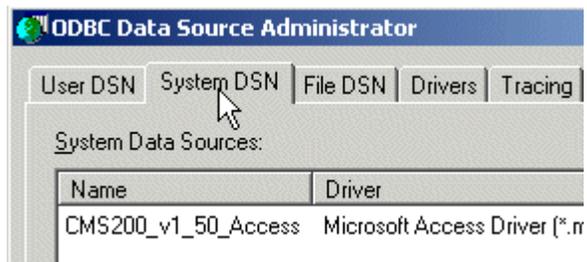
Because you will now be using a MS-SQL database, you need to create a new DSN that will point to this new database. This can easily be done by going into the ODBC Manager and pointing the DSN to the new MS-SQL database.

NOTE For information about creating a DSN-less connection to the MS-SQL database for Ektron CMS200, see “DSN-less Connection” on page 36.

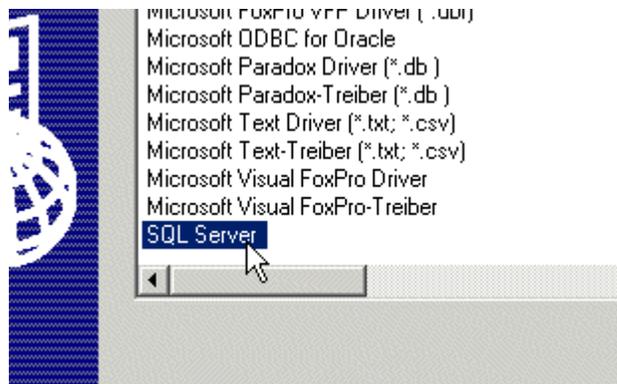
1. Enter the ODBC Manager from the Control Panel on your system.



2. Click on the **System DSN** tab.



3. Click on the **Add** button on the right side of the screen.
4. Select the driver that best suits your version of MS-SQL server.



When you have selected the SQL Server driver, click the **Finish** button at the bottom of the window.

5. The next window asks you to choose a Name, Description, and choose the SQL Server to connect to.

What name do you want to use to refer to the data source?
Name: CMS200_SQL

How do you want to describe the data source?
Description: SQL DSN for Ektron CMS200

Which SQL Server do you want to connect to?
Server: (local)

When you finish entering the information, click the **Next** button at the bottom of the window.

6. You will then be asked to enter information about the authentication for the DSN at the next window. Enter the necessary information and click **Next** to continue.
7. At the next window, you will need to change the default database to the one that you created earlier.

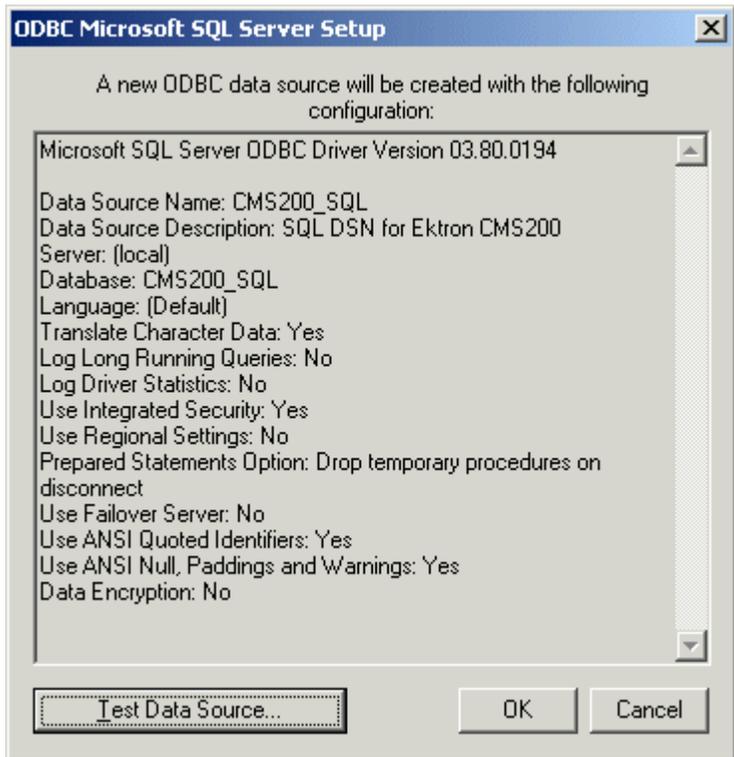
Change the default database to:
master
CMS200_SQL
master
model
msdb

and drop the stored procedures: state

Make any other adjustments at this screen if necessary, then click **Next** to continue.

8. At the next window, choose which ever options you would like for the DSN, then click **Finish**.

9. You will then see a confirmation message with all the options a settings you chose for the datasource.



To verify that the data source was set up and configured properly, click the Test Data Source button at the bottom of the screen.

If the DSN is good, you will receive a message that the test completed successfully. If not, edit the DSN and make sure that everything is set up properly.

10. To finish, click the **OK** button at the bottom of the screen, and close the ODBC Manager.

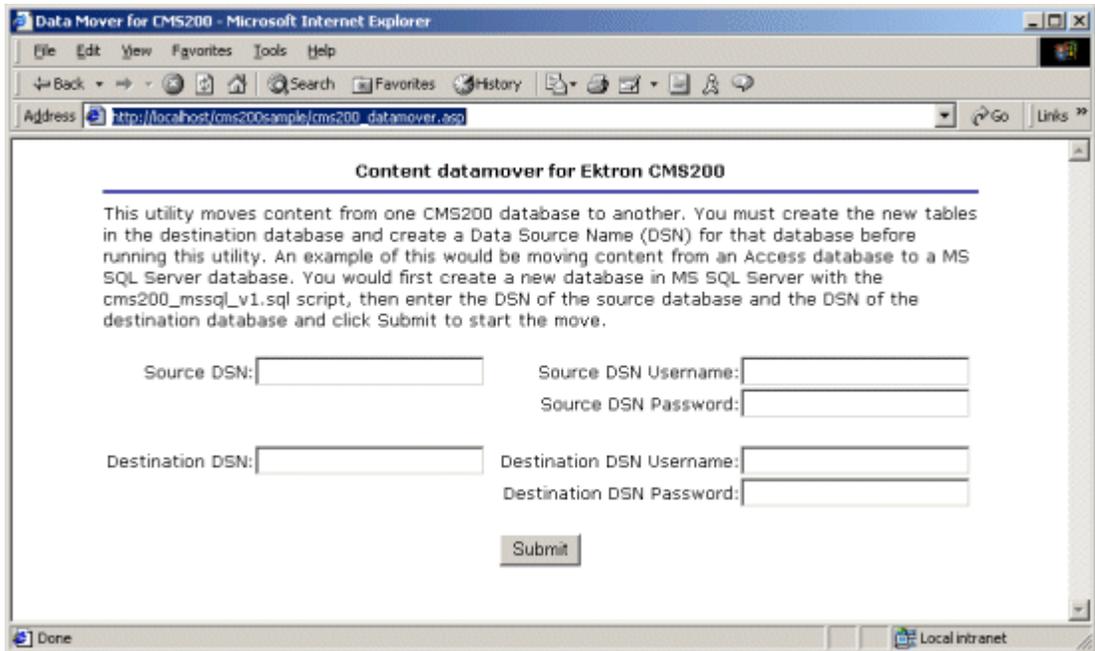
Once the database has been created, the script has run, and the ODBC connection has been made, you are ready to run the data mover which will move the content from the default Access database to the new MS-SQL database.

Moving the Data

The next step in setting up a MS-SQL database is to run the data mover that also gets installed with Ektron CMS200. The data

mover will move everything that is in the current Access database, to the MS-SQL database To do this:

1. Move the file **cms200_datamover.asp** from the c:\Program Files\Ektron\CMS200\Utilities\ directory into an .asp enabled web directory. An example is C:\inetpub\wwwroot\CMS200Sample
2. Call the datamover.asp file from the web server via your browser, i.e. **http://localhost/cms200sample/cms200_datamover.asp**



3. Add the source and destination DSNs to the appropriate fields when the page comes up, as well as usernames and passwords if necessary.

Field	Description
Source DSN	Enter the DSN of the Access database that Ektron CMS200 uses.
Source DSN Username	Enter a username for the source DSN if necessary

Field	Description
Source DSN Password	Enter the password of the username of the source DSN if necessary
Destination DSN	Enter the DSN of the MS-SQL Database
Destination DSN Username	Enter a username for the MS-SQL DSN if necessary
Destination DSN Password	Enter a password for the username for the MS-SQL DSN if necessary

4. Select the Submit button.

You should receive a confirmation message if successful. If an error occurs, please go back and check your datasources to ensure that they are set up correctly, including the names used.

Setup.asp or Application.cfm

Now that your database is set up, set the DSN name in the **setup.asp** file. This entry points the Ektron CMS200 to use the datasource in which you set up.

Edit the entry for 'DSN' in the file **setup.asp** located:

```
\CMS200Sample\cms200scripts\setup.asp
```

This name must match that of the datasource you are using. Optionally, you can also add the values for 'Dbusername' and 'Dbpassword' in this same file.

DSN-less Connection

Other than the standard connection to a database using an ODBC connection, Ektron CMS200 also allows you to create a DSNless connection using OLE DB. If you are planning on using OLE DB, you have two options:

- Use a UDL file
- Use an OLE DB Provider string

This section will explain both of these options.

Before You Begin

Before you can access the Ektron CMS200 database via OLE DB, you must know the following:

- The type of data that you want to access
- The server where the data resides
- The database in which the data is stored.

Once you know all of these, you are ready to create an OLE DB connection to your Ektron CMS200 Database.

Creating a UDL File

Whether you are using a Provider string or a UDL file, you can use the UDL wizard to create the file or string. Once Ektron CMS200 has been installed, you are ready to begin.

Windows 98/ME/NT

1. Right-click on the Desktop.
2. Select **New**
3. Select **Microsoft Data Link** to create a .udl file.

Windows 2000

1. Open **Windows Explorer** or **My Computer**.
2. Select the folder in which you want to save the .UDL file.
3. On the File menu, click **NEW** and then click **Text Document**.
4. Right-click on the text file you created in step 3, then click **Rename**. Type the new file name using a **.udl** file extension. Press **Enter**. For example: *MyUDLfile.UDL*
5. You may get a warning, message box, explaining that changing file extensions may cause files to become unusable. This is fine, click **OK**.

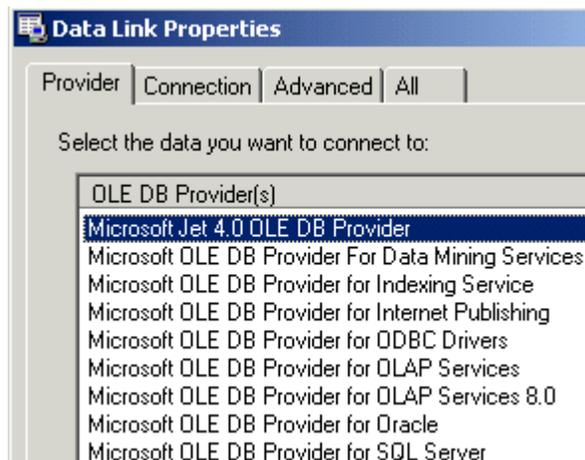
Configuring The UDL File

Once you have created the UDL file, you must now configure it to use the proper database and settings.

1. Double click on the UDL file to bring up the Data Link Properties Dialog Box.



2. When the Data Link Properties menu opens, click on the Providers tab



3. Select the driver you wish to use.

-
4. Click **Next >>** to move to the Connection tab
 5. At the connection tab, enter the connection properties.

NOTE Each driver will require different settings. All drivers will require a user name and password.

6. Click on the **Test Connection** button to verify your connection is working correctly. Change accordingly if you get an error.
7. Select the advanced tab only if you require advanced settings.
8. When completed, click the **OK** button to save and close the UDL file.

Now that you have successfully created and configured a UDL file, you have two options:

- Configure Ektron CMS200 to use the UDL file
- Convert the UDL file into a Provider string, and configure Ektron CMS200 to use that.

Configuring Ektron CMS200 for the UDL File

Once you have created and configured the UDL file for the to access that file.

1. Using Windows Explorer, navigate to the directory where Ektron CMS200 for ASP was installed to. By default, the directory is C:\inetpub\wwwroot\CMS200Sample
2. Save the UDL file under the CMS200Sample directory.
3. Open the folder \cms200scripts
4. Edit the file "setup.asp"

```
<%  
Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadPath, AppConfStr  
Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPath, buildNumber,  
PostAcceptorFile, Version, UseSSL, SSL_Port  
DSN = "CMS200_v1_50_Access"  
sitePath = "/CMS200Sample/"  
buildNumber = "1.5"  
DBusername = ""  
DBpassword = ""  
Version = "1.50"  
UseSSL = false  
SSL_Port = 443  
PostAcceptorFile = "uploader.asp"
```

5. At the line where it says DSN="CMS200_v1_50_Access", change this to DSN="Filename=" & <Path To UDL File> & "\" & UDLFileName & ".UDL;"

An example of this may be

```
<%  
Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadPath, AppConfStr  
Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPath, buildNumber,  
PostAcceptorFile, Version, UseSSL, SSL_Port  
DSN = "File name=C:\inetpub\wwwroot\CMS200Sample\MyUDLFile.udl"  
sitePath = "/CMS200Sample/"  
buildNumber = "1.5"  
DBusername = ""  
DBpassword = ""  
Version = "1.50"  
UseSSL = false  
SSL_Port = 443  
PostAcceptorFile = "uploader.asp"
```

Configuring Ektron CMS200 for the Provider String

Converting UDL file to a Provider String

Once you have created the UDL file, you can convert the information into a string that can be used in Ektron CMS200

1. Right-click on the UDL file you created earlier
2. Click **Rename** from the list of options
3. Rename the file MyUDLFile.txt
4. You may get a warning, message box, explaining that changing file extensions may cause files to become unusable. This is fine, click **OK**.
5. Double click on the file and you will see something similar to the following.

```
[oledb]  
;Everything after this line is an OLE DB initstring  
Provider=Microsoft.Jet.OLEDB.4.0;DataSource=C:\Inetpub\wwwroot\CMS200Sample\database\CMS200_v1_50_Access.mdb;Persist Security Info=False
```

6. The following line is the connection string from the file:

```
Provider=Microsoft.Jet.OLEDB.4.0;DataSource=C:\Inetpub\wwwroot\CMS200Sample\database\CMS200_v1_50_Access.mdb;Persist Security Info=False
```

This is what will be used when configuring Ektron CMS200.

Configuring Ektron CMS200 to use the Provider String

Once you have the provider string, you will be able to configure Ektron CMS200 to use that.

1. Using Windows Explorer, navigate to the directory where Ektron CMS200 was installed to. By default, the directory is C:\inetpub\wwwroot\CMS200Sample
2. Save the .txt file under the CMS200Sample directory
3. Open the folder \cms200scripts
4. Edit the file "setup.asp"

```
<%  
Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadPath, AppConfStr  
Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPath, buildNumber,  
PostAcceptorFile, Version, UseSSL, SSL_Port  
DSN = "CMS200_v1_50_Access"  
sitePath = "/CMS200Sample/"  
buildNumber = "1.5"  
DBusername = ""  
DBpassword = ""  
Version = "1.50"  
UseSSL = false  
SSL_Port = 443  
PostAcceptorFile = "uploader.asp"
```

5. At the line where it says DSN="CMS200_v1_50_Access", change this to DSN="Provider= <string>"

An example of this may be

```
<%  
Dim DSN, DBusername, DBpassword, fileUploadPath, imageUploadPath, AppConfStr  
Dim AppPostacceptFile, sitePath, AppName, AppWebPath, AppPath, buildNumber,  
PostAcceptorFile, Version, UseSSL, SSL_Port  
DSN = "Provider=Microsoft.Jet.OLEDB.4.0;DataSource=C:\inetpub\wwwroot\  
CMS200Sample\database\CMS200_v1_50_Access.mdb;Persist Security Info=False"  
sitePath = "/CMS200Sample/"  
buildNumber = "1.5"  
DBusername = ""  
DBpassword = ""  
Version = "1.50"  
UseSSL = false  
SSL_Port = 443  
PostAcceptorFile = "uploader.asp"
```

Migration from CMS100 for ASP

Ektron CMS200 now comes with a new utility for migrating your existing Ektron CMS100 for ASP Web site, to a Ektron CMS200 Web site. This migration can easily be done with the use of an utility that comes with Ektron CMS200.

This chapter will guide you through all the steps of migrating your Ektron CMS100 for ASP site to Ektron CMS200.

Prerequisites

Before you migrate your Ektron CMS100 for ASP Web site to Ektron CMS200, you will need to at least have the following:

1. Ektron CMS100 for ASP installed on your machine.
2. Ektron CMS200 installed on the same machine.
3. Ektron CMS200 must be using the minimum database in the installation
4. A license key for Ektron CMS200, or a temporary license key

Once those are all set, you may begin the process of migrating your site to Ektron CMS200.

Installing CMS100 for ASP

To migrate your Ektron CMS100 for ASP Web site to Ektron CMS200, you must first have Ektron CMS100 for ASP installed on your machine. To properly install Ektron CMS100 for ASP, if you haven't already, follow the steps for installing the application in the Installation Manual for Ektron CMS100 located on the Ektron Web site.

Installing CMS200

To install Ektron CMS200, follow the steps provided in "Installations" on page 6.

Backing Up the Minimum Database

Ektron recommends that you backup the minimum database before you begin the migration. This can be easily done by copying and pasting the initial minimum database from the CMS200/Databases directory to another directory on your system.

Backing Up Your Active Site

Before continuing, it is recommended that you back up all of your data including your site templates and database. The best way to do this is to make a copy of your site directory and databases (if located in different locations). You should put this copy in a place where you will be able to modify it and not your active site.

You can do this however you'd like, but it is recommended that you make a copy of your active Ektron CMS100 site and modify the copy to use Ektron CMS200. When your migration and testing are complete, you should then go live with your new site.

If you setup IIS to point to your Ektron CMS100 site directory, you will be able to simply point IIS to your new Ektron CMS200 site when migration and testing are finished. This is the easiest way of migrating because all of your references to your sitepath are assumed to be just "/". So all templates that reference includes will be easier to modify.

Example:

www.yourdomainname.com

pointing to

`c:\inetpub\wwwroot\active_cms_site\`

can be changed to point to

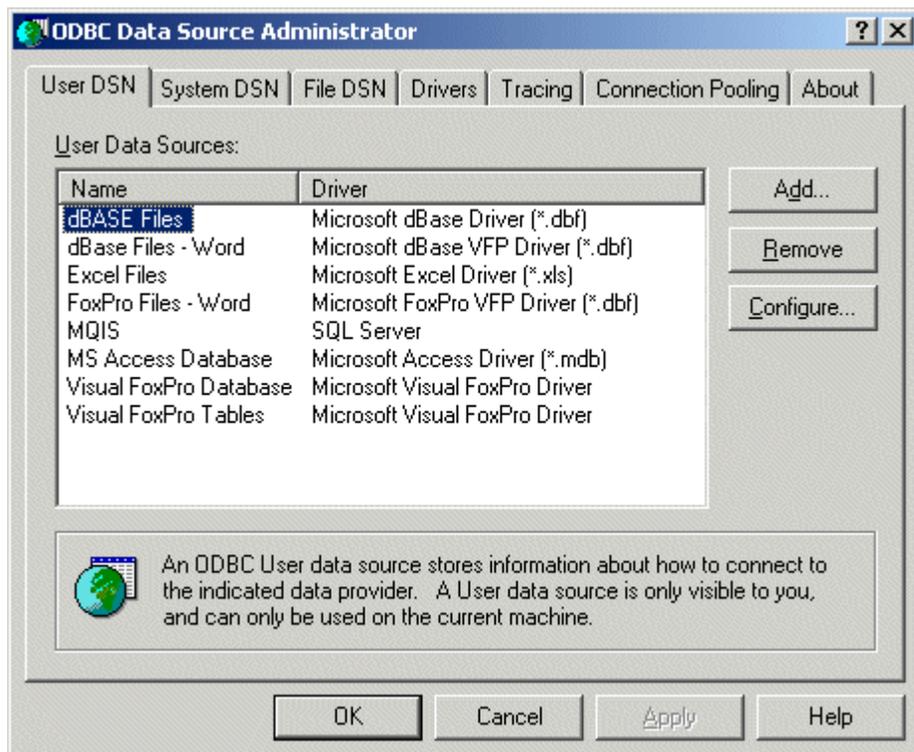
c:\inetpub\wwwroot\active_cms_site_copy\

when you are ready to go live with the CMS200 site.

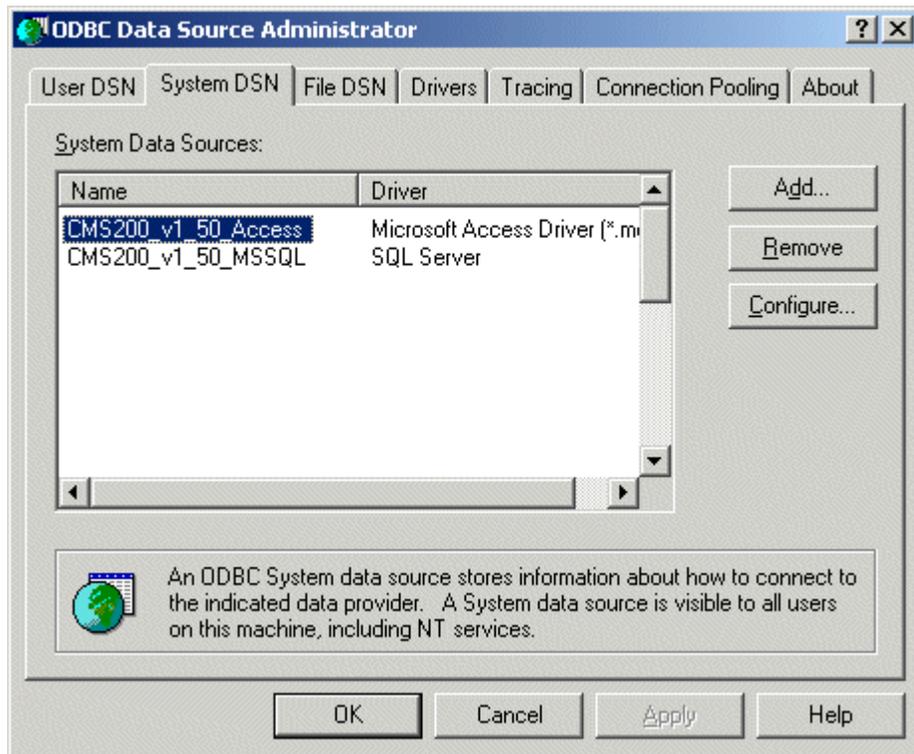
Point Ektron CMS200 to Minimum Database

Ektron CMS200 is installed with two databases. One is a sample database that allows you to get an idea of how a Ektron CMS200 Web site works. The other database is a minimum database that has almost nothing in it. This is the database that Ektron CMS200 must be pointing to before you begin the migration. To do this, follow the steps listed below:

1. Begin by opening your **ODBC Manager** in the Administrator Tools section of Windows.



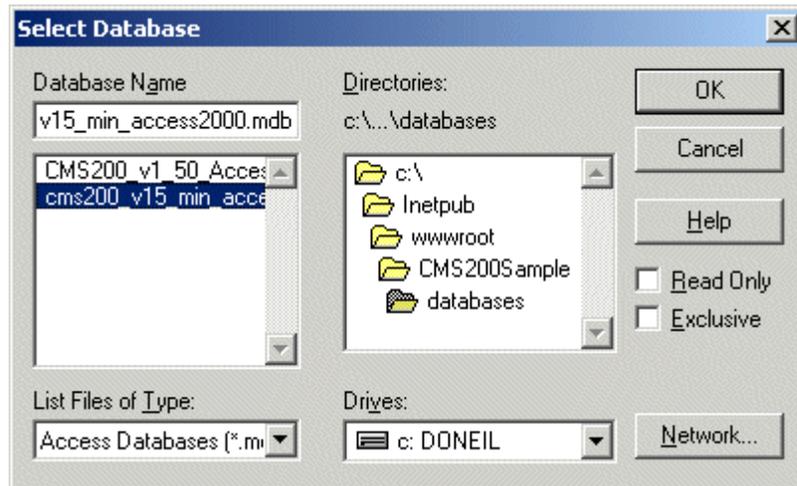
2. Click on the **System DSN** tab
3. Click on the CMS200_v1_50_Access DSN in the list.



4. Click the **Configure** button on the right side of the screen.



- Click the Select button in the Database section to select the database the DSN will point to.



- Select the **cms200_v15_min_access200.mdb** file from the CMS200 databases directory.
- Click the **OK** button.



- At the ODBC Microsoft Access Setup window, click the **OK** button.

9. Click the **OK** button at the bottom of the ODBC Data Source Administrator menu to save and update the settings.

Once you have installed Ektron CMS100, Ektron CMS200, and set the DSN to point to the Ektron CMS200 minimum database, you are ready to run the migration utility.

Locating the Migration Utility

By default, the migration utility will be installed to the **C:\Program Files\Ektron\CMS200\Utilities** directory.

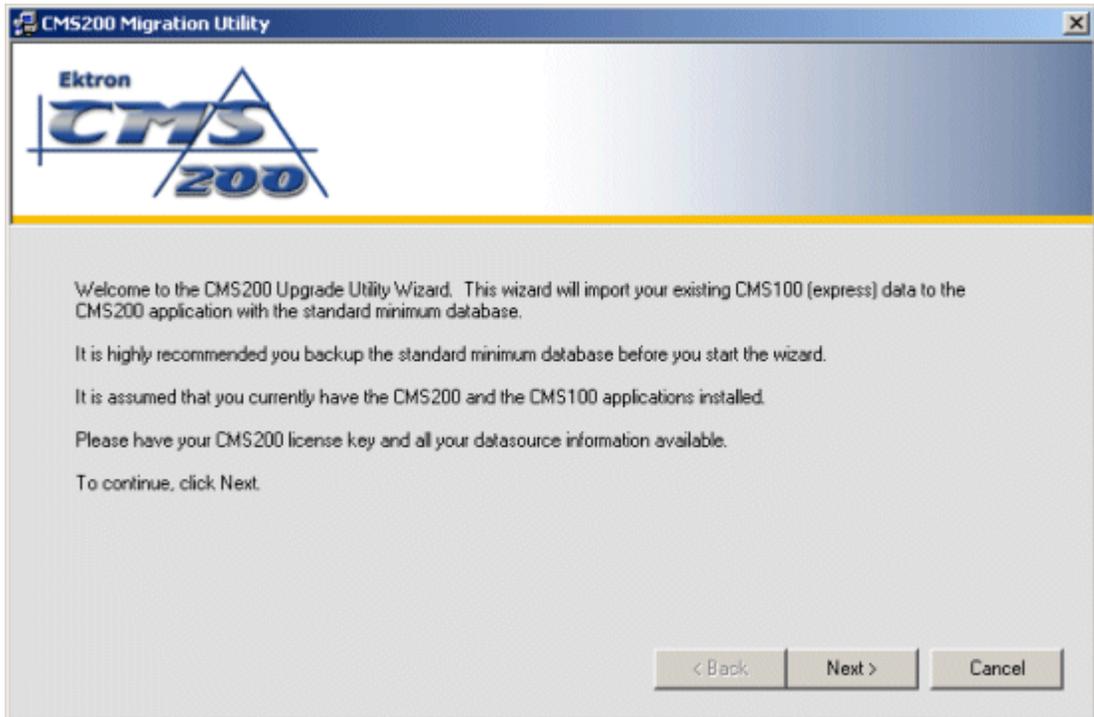


NOTE During the installation of Ektron CMS200, if you specified a different directory for the Ektron CMS200 components to be installed to, you will have to navigate to that directory to find the migration utility.

Once you have successfully navigated to the Ektron CMS200 utilities directory, double click on the **cms200_Migration.exe** file. This will begin the migration.

Running the Migration Utility

Once you have run the cms200_Migration.exe file, the migration will begin.



At the first window of the migration, you will see important instructions that you will want to read before you go any further. Once you have performed all the tasks the migration wizard has suggested, click **Next**.

Configuring the Databases

The next window will ask you to provide information about the Ektron CMS100 and Ektron CMS200 datasources.

Source Database Information

CMS100 (Express) DSN

Datasource Username

Datasource Password

Destination Database Information

CMS200 DSN

Datasource Username

Datasource Password

< Back Next > Cancel

Once you arrive to this screen, use the following table to properly fill out the fields for the Source Database:

Field	Description
CMS100 (Express) DSN	Enter the Datasource Name (DSN) Ektron CMS100 for ASP uses to point to its database.
Datasource Username	If a username is required to access the Ektron CMS100 datasource, enter the Username in this field.
Datasource Password	If a password is required to access the Ektron CMS200 datasource, enter the Password in this field.

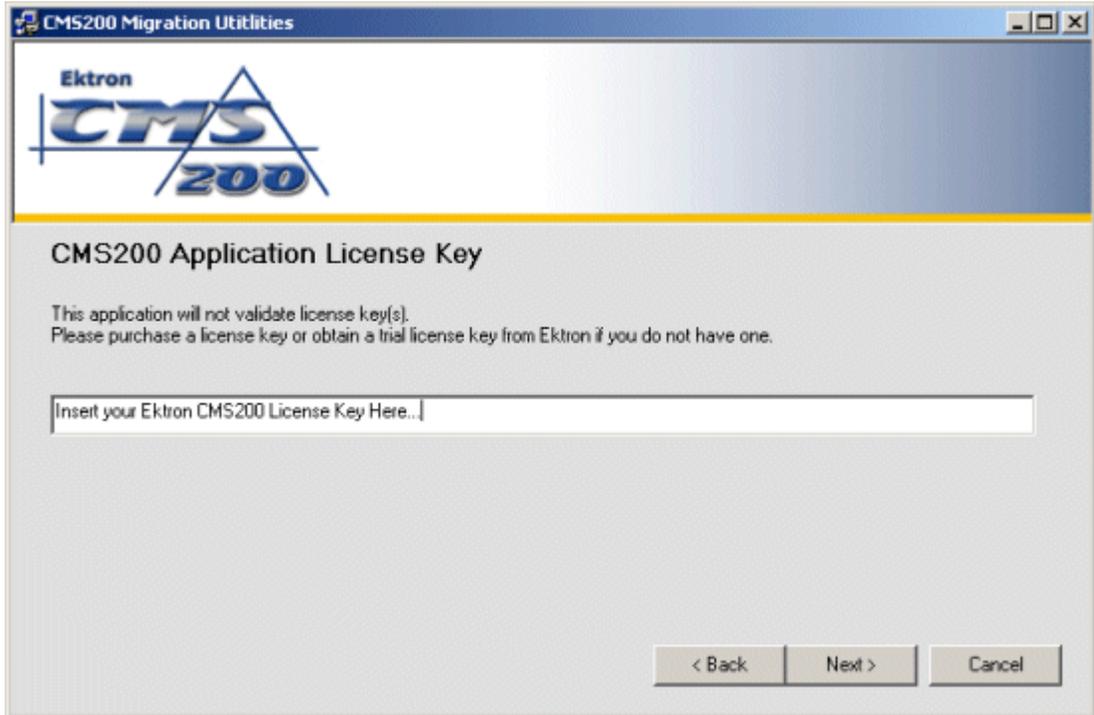
Once you have entered the information for the Source Database (Ektron CMS100), you will then need to fill out the fields for the Destination Database (Ektron CMS200).

Field	Description
CMS200 DSN	Enter the Datasource Name (DSN) Ektron CMS200 uses to point to its database.
Datasource Username	If a username is required to access the Ektron CMS200 datasource, enter the Username in this field.
Datasource Password	If a password is required to access the Ektron CMS200 datasource, enter the Password in this field.

Once you have entered all the necessary fields for the source and destination databases, click the **Next** button at the bottom of the screen.

Inserting Your Ektron CMS200 License Key

After you click Next, you will then be prompted to enter your Ektron CMS200 license key.



Insert your license key into the field provided. Once completed, click the **Next** button at the bottom of the screen to proceed.

NOTE You will be unable to proceed if you do not insert a valid license key into the field.

Library Settings

The next screen will ask you for information about your library settings.

Library Type	Extensions	Directory	Make Relative
images	gif, jpeg, jpg	uploadedImages/	<input checked="" type="checkbox"/>
files	ppt, pdf, xls	uploadedFiles/	<input checked="" type="checkbox"/>
hyperlinks			
quicklinks			

In this screen, you will need to specify the Directory that images and files will be uploaded to in Ektron CMS200. Ektron recommends that you use the same directories that you used for CMS100 (they are by default the same).

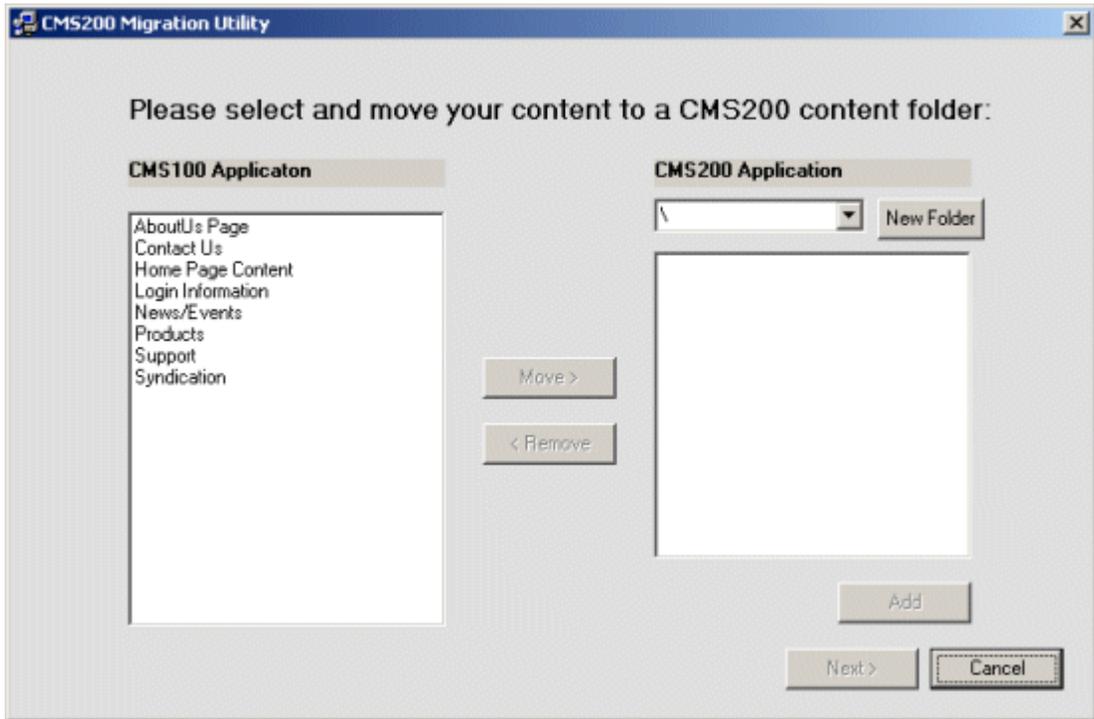
You will also need to specify whether the paths for the files and images will be relative to the Ektron CMS200 Web site. If you are not sure, please leave checked.

When you have finished modifying or confirming the Library information, click the **Next** button to continue.

Content Settings

Once you advance to the next screen, you will need to specify where you would like to put the content from Ektron CMS100 to Ektron CMS200. Since Ektron CMS200 allows you to organize your Web content in a folder structure, unlike Ektron CMS100, you will need to organize all the content that will be moved to Ektron CMS200.

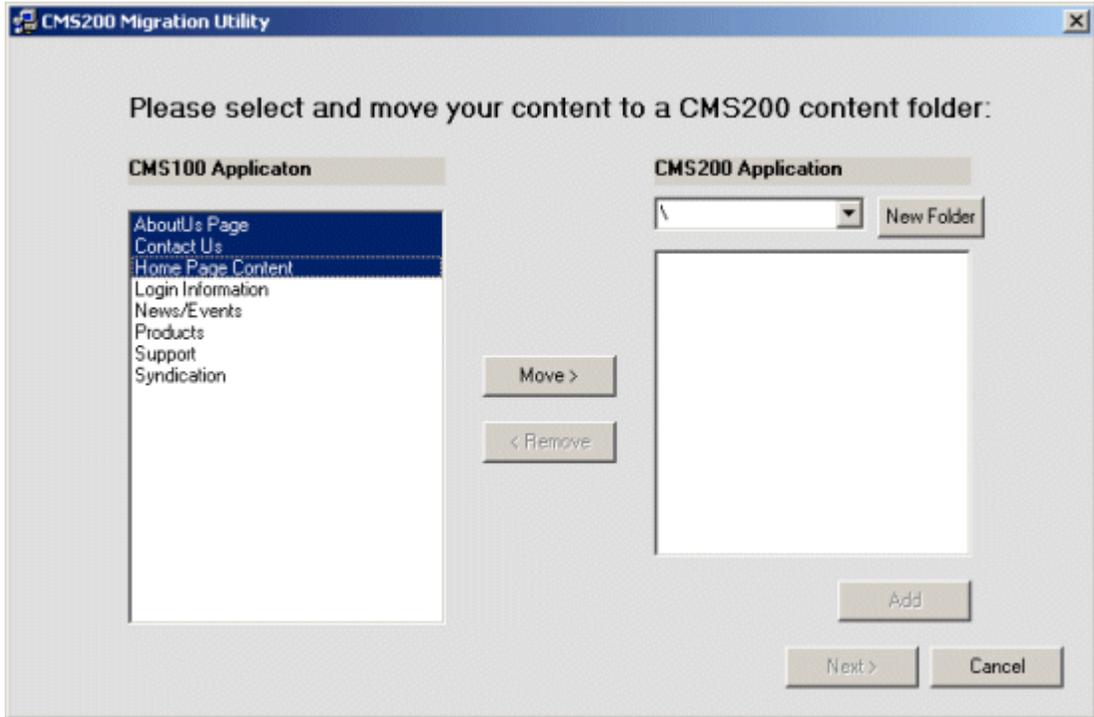
When you arrive to this section, the screen will look somewhat like this:



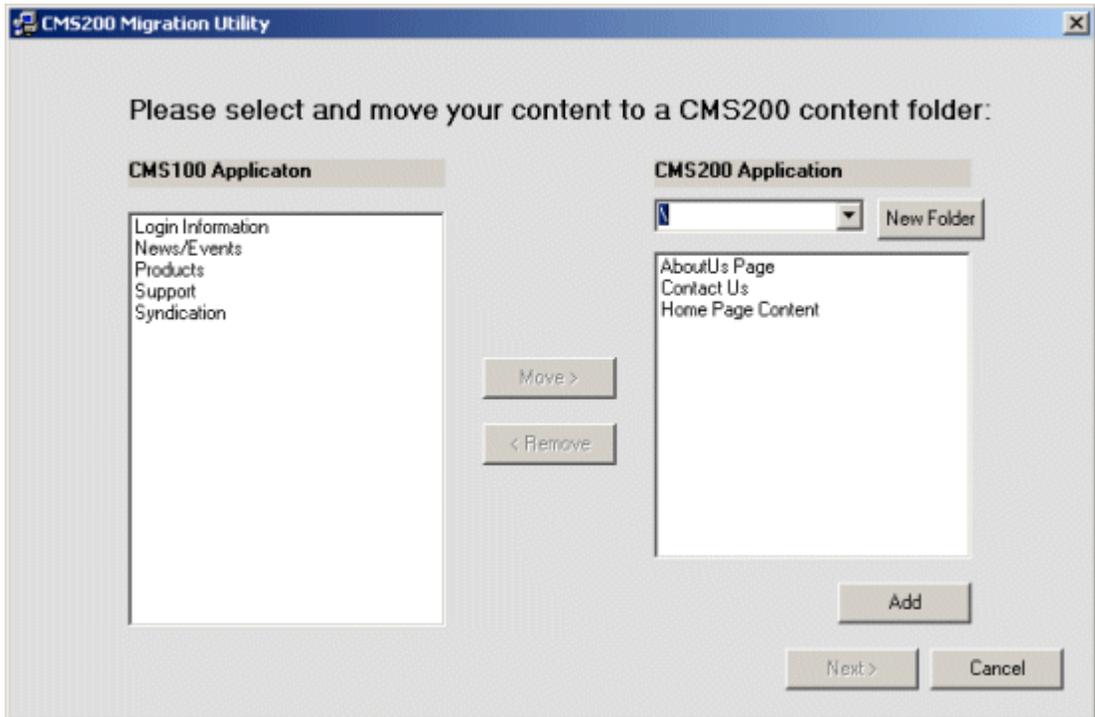
As you can see, there is a list on the left side with the titles of all the content blocks that existed in the Ektron CMS100 Web site. In the middle are buttons to Move or Remove content blocks to and from the selected folder. On the right side there is a drop down menu where you can select a folder that you want to move a content block to, a button to add a new folder, and an Add button at the bottom to permanently move the content to the selected folder.

Unless you add new folders, all the content blocks that you move from Ektron CMS100 to Ektron CMS200 will be in the root content folder. The root content folder is symbolized by the “\” in the drop down list. You can learn more about content folders and how they work by referring to the Ektron CMS200 Administrator Manual, Version 1.5.

To move content blocks to the root content folder, select all the content blocks in the left hand column that you would like to move.

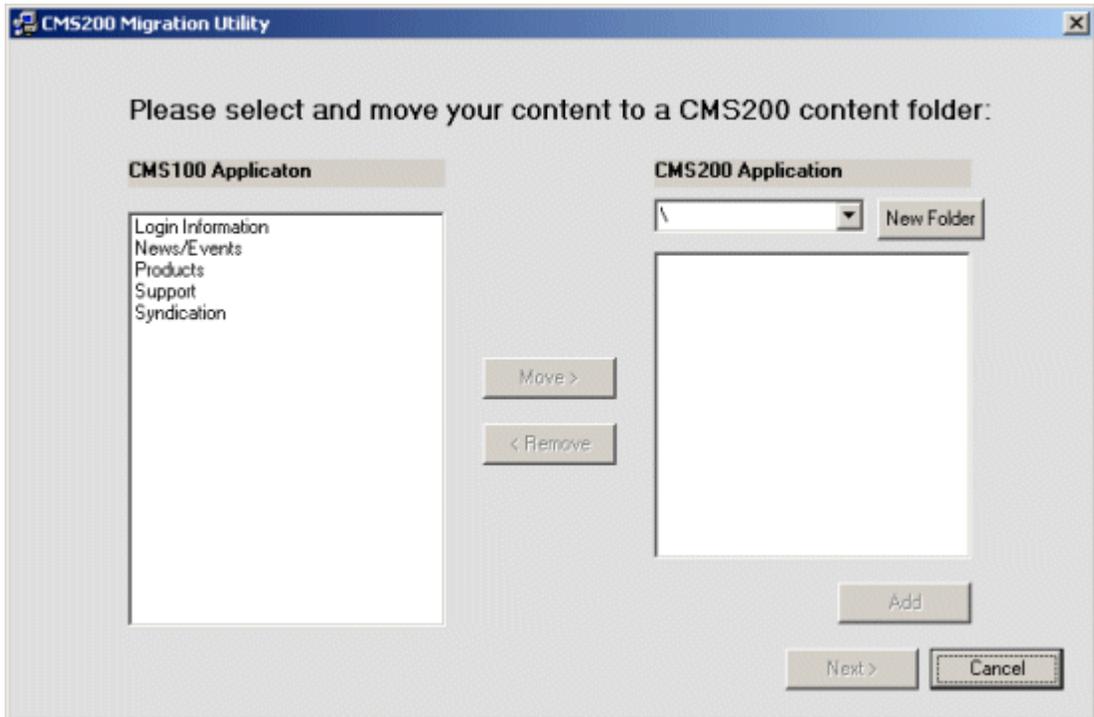


Once you have selected the content blocks you wish to move to the root content folder, click the Move button in the middle of the screen.

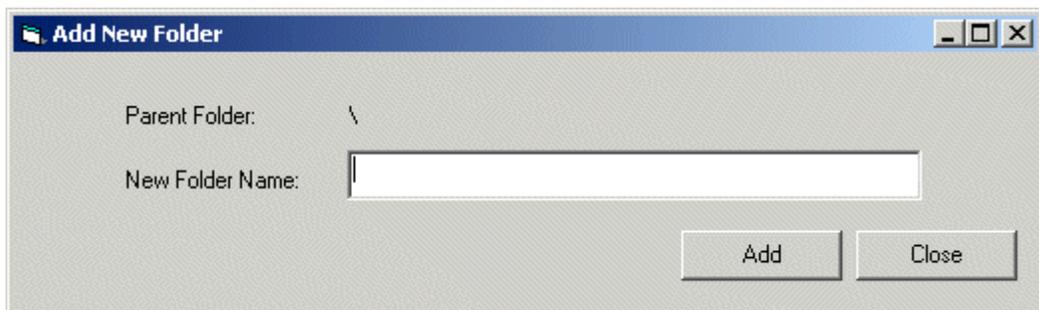


You will notice that the content blocks will now appear in the right column, and they are no longer in the left column.

To add the content blocks to the folder, click the Add button at the bottom of the screen.



If you would like to create a folder structure to organize the remaining content blocks, this can be done by selecting the **New Folder** button.



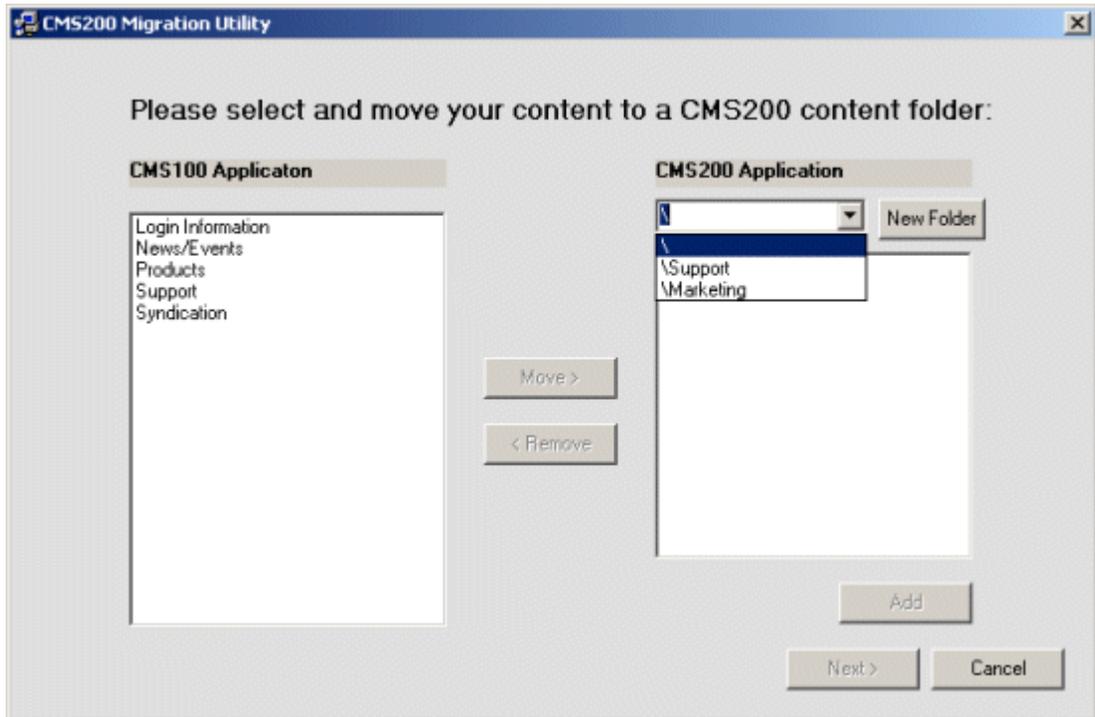
Once you select the New Folder button, you will see the screen shown above. Here you will need to name the folder that you are creating by entering the name in the New Folder Name field. In this case, let's add a folder named Support.



Once you have finished entering the name of the new folder, click the **Add** button at the bottom of the screen. Once you click the Add button, the folder will be created, and you can create another folder with the root folder as its parent folder.

Keep adding folders with the root folder as its parent folder until you no longer need any more. When you have complete, click the **Close** button on the Add New Folder window.

When you close the Add New Folder window, you will be able to select any of the folders that you created in the drop down list on the window.



As you can see, there are three folders that have been created, a root folder, a support folder, and a marketing folder.

You may also create sub-folders for the folders that you created by:

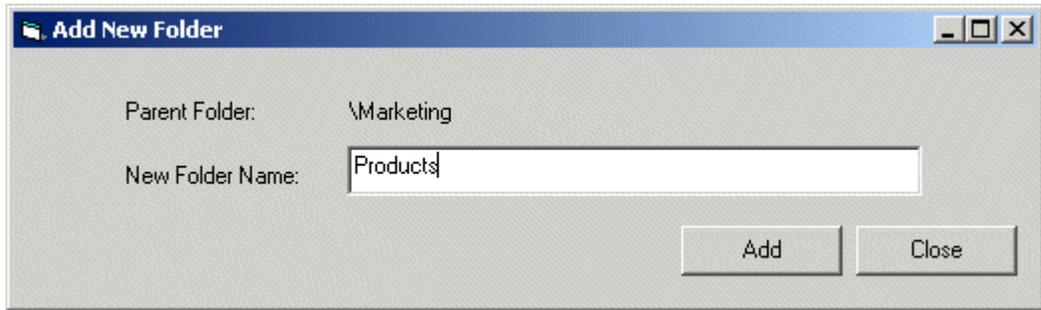
1. Select the folder that you would like to add a Sub-folder to in the drop down list.



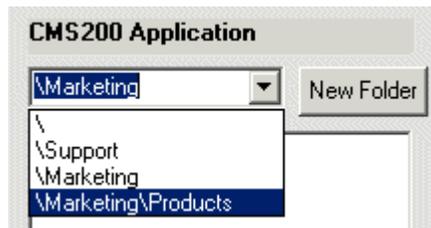
2. Click the **New Folder** button



3. Name the folder that you want to create.



4. Click the **Add** button in the Add New Folder screen
5. Click the **Close** button to go back to the move content screen.
6. You will now be able to add content blocks to that folder by selecting it from the drop down list.

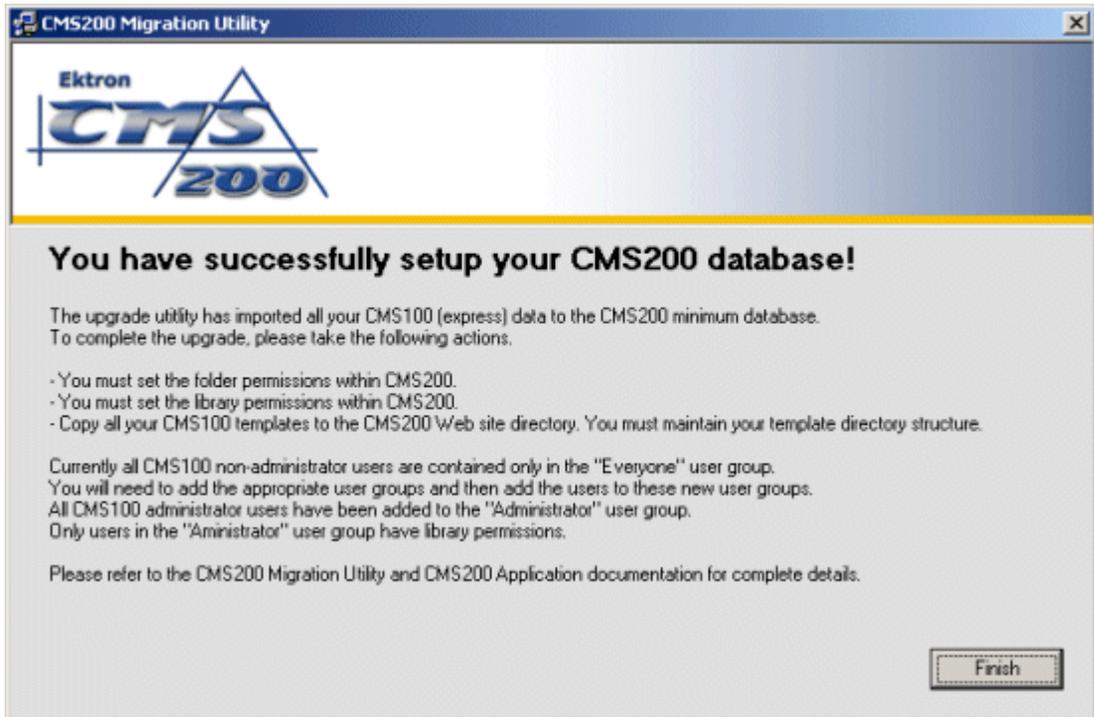


Repeat the process of adding content blocks to each of the folders by:

1. Selecting the folder from the drop down list
2. Selecting the content blocks you would like to move to the selected folder.
3. Clicking the **Move** button in the center of the screen.
4. Clicking the **Add** button at the bottom of the screen.

You will need to add all content blocks from Ektron CMS100 to Ektron CMS200 before you can proceed to the next screen.

Once you have finally moved all the content blocks from Ektron CMS100 to Ektron CMS200, click the Next button at the bottom of the screen to proceed to the end of the migration.



When you finish the migration, you will get this final confirmation message saying that you have successfully setup your Ektron CMS200 database.

What's Next?

Although the use of the migration utility is complete, there are still a few more tasks that will need to be performed including:

1. Setting up folder permissions in Ektron CMS200
2. Setting up library permissions in Ektron CMS200
3. Moving your Ektron CMS100 templates to the Ektron CMS200 directory and making any updates to them.
4. Moving your Ektron CMS100 UploadedFiles and UploadedImages directory from your Ektron CMS100 to Ektron CMS200 directory
5. Setting up user groups

You will want to review the section of the administrator manual regarding setting up folders / groups / permissions and workflows.

The section “Moving Scripts Directory and Editing Templates” on page 95 will explain how to move the files and directories needed complete the migration.

NOTE While moving directories from Ektron CMS100 to Ektron CMS200, you must retain the same directory structure to ensure your links will work correctly.

Migrating your Templates

The following section describes how to setup your site to use Ektron CMS200 instead of Ektron CMS100.

Before Migrating your templates, you should have:

1. Backed up all critical data.
2. Setup a new datasource for CMS200.
3. Point CMS200 to ODBC-DSN of new database.
4. Run the Migration utility that moves the content from the old CMS100 database to the new CMS200 database.

We would recommend that if this is a live site that you perform your migration on a staged site until ready for deployment.

Depending on how you chose to migrate your files, you will need to make sure that you are using the correct database, include paths, and the right templates.

Moving Scripts Directory and Editing Templates

We will assume that you have created a copy of your native Ektron CMS100 site and are modifying that as described in the section “Backing Up Your Active Site” on page 77.

The following steps describe what needs to be moved and modified for the new site to function:

1. 1. If you have not done so yet, make a copy of your active site directory.

For example,

c:\inetpub\wwwroot\active_cms_site\

to

c:\inetpub\wwwroot\active_cms_site_copy\

2. 2. Move the cms200scripts directory under this directory. When finished, the directory structure should look something like this.

c:\inetpub\wwwroot\active_cms_site_copy\cms200scripts\

3. 3. Remove the \expscripts directory under the \active_cms_site_copy. This will save you time troubleshooting templates that are still pointing to the expscripts directory.

4. 4. You will need to edit all templates and headers that include the CMS100 ektronAPI.asp file. Do this by editing the include virtual path at the top of each file in your site.

For example,

In header.txt under the samplesite change the include from

```
<!-- #include virtual="/expscripts/ektronAPI.asp" -->
```

to

```
<!-- #include virtual="/cms200scripts/ektronAPI.asp" -->
```

You will need to do this for all files that used this include.

Most editing tools such as Macromedia ColdFusion Studio or Macromedia UltraDev will allow you to perform a search and replace of a certain string for a group of files. You may want to consider this if you have many templates to update with the new include path.

If your site is accessed as a subdirectory from your domain/host name (i.e. www.yourdomainname.com/CMS100Site/), you will need to either:

1. 1. When migration is complete, rename your Ektron CMS200 subdirectory to the same name that was used by Ektron CMS100. This will allow all of your content links to function properly.

or

2. When migration is complete, edit all links in content blocks that are referring to the old Ektron CMS100 subdirectory. These will need to be modified to refer to the new Ektron CMS200 subdirectory.

NOTE All directory names used are for example only and you can name them to whatever you prefer.

Testing Your Migration

It is important that you test your site after you have completed all of the required steps for the migration. You can do this by going over each page on your site that has content blocks. To be thorough, access all templates with content in them. You can compare from your active site before going live.

To make it easier to test, we recommend that you use a staging URL to access the new site.

For example,

www.yourdomainname.com may point to the native site that is using CMS100.

Use a development IP address or domain name and point it to the new site. You can even use localhost or 127.0.0.1 to test locally.

Going Live

If you have followed the suggested flow of migration described throughout this manual, going live will be a fairly easy task.

When your site construction and testing are complete, you can change IIS to point to your new Ektron CMS200 enabled site.

This can be done in your IIS Console by,

1. Select Properties of the site or virtual site.
2. Edit the Local Path to point to the new Ektron CMS200 site directory.
3. Save your changes.

NOTE You may need or want to stop the IIS Web Site Service that your accessing prior to changing the Local Path.

Uninstalling Ektron CMS200

Additional Information

Supporting Documents

You can find more detailed information about Ektron CMS200 in the following documents:

- *Ektron CMS200 Administrator Manual, Version 1.5*
- *Ektron CMS200 User Manual, Version 1.5*
- *Ektron CMS200 Administrator Quick Start Manual, Version 1.5*

Support

If you are experiencing trouble with any aspect of Ektron CMS200, please contact the Ektron Support Team via their Web Site, or by e-mail:

<http://www.ektron.com/support.cfm> or

support@ektron.com

Sales

For questions and answers about purchasing Ektron CMS200 from Ektron, contact the sales department by sending an e-mail to:

sales@ektron.com

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