

Inmagic *Content Server* Workgroup 10.00
Microsoft SQL Server 2005 Express Edition
Installation Notes

Introduction and Overview

These installation notes are intended for the following scenarios:

- 1) New installations of SQL Server 2005 Express Edition (SQL Server Express)
- 2) Upgrading from Microsoft SQL Server 2000 MSDE Edition (MSDE) to SQL Server Express

Content Server Workgroup v1.3 and earlier used MSDE as its data store. Beginning with *Content Server* Workgroup 10.00, SQL Server Express can be used as its data storage.

For detailed information and troubleshooting assistance, please refer to:

- 1) [Inmagic Knowledgebase](http://support.inmagic.com/supbase3.htm) article 2842 (<http://support.inmagic.com/supbase3.htm>)
- 2) The SQL Server 2005 Express Edition README (<http://support.microsoft.com/default.aspx?scid=kb;en-us;910229>)

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Steps for a New Installation of SQL Server Express

If this is a new installation of *Content Server* Workgroup 10.00 or later and SQL Server 2005 Express Edition, review and follow these steps:

- Review the [System Requirements](#)
- [Install New Instance of SQL Server 2005 Express Edition](#)
- [Configure the New SQL Server 2005 Express Instance](#)
- [Install SQL Server Management Studio Express](#) (Optional)

The complete installation should take about 30 minutes. Please note that the installation of the .NET Framework 2.0 can additionally take up to 10 minutes.

Steps for Upgrading an Existing *Content Server* MSDE to SQL Server Express

If you are upgrading an existing installation and want to upgrade your SQL Server 2000 MSDE to SQL Server 2005 Express Edition, review and follow these steps:

- Upgrade to *Content Server* Workgroup 10.00 **BEFORE** upgrading MSDE to SQL Server Express. Note that *Content Server* Workgroup 10.00 works with either MSDE or SQL Server Express. Earlier versions of *Content Server* ONLY work with MSDE. Therefore, upgrade to *Content Server* Workgroup 10.00 and verify connectivity with the existing MSDE database before proceeding to upgrade MSDE to SQL Server Express.
- Review the [System Requirements](#)
- Backup your textbases using the *Content Server* v10.00 Administration program
- Know your MSDE System Administrator (sa) password.
NOTE: If you do not remember your Username and Password, please speak to your IT administrator or contact Inmagic Technical Support.
- [Upgrade Microsoft SQL Server 2000 MSDE Edition to SQL Server 2005 Express Edition](#)
- [Install SQL Server Management Studio Express](#) (Optional)

The complete upgrade should take about 30 minutes. Please note that the installation of the .NET Framework 2.0 can additionally take up to 10 minutes.

System Requirements

Minimum Hardware Requirements and Supported Operating Systems

- **Processor:** PC with a 600-MHz Pentium III-compatible or faster processor. 1.0 GHz processor or faster is recommended.
- **RAM:** 256 MB RAM or more. 512 MB or more is recommended.
- **Hard-disk space:** 350 MB hard-disk space for the recommended installation. Additional hard-disk space is required for *Content Server* SQL databases.
- **Supported Operating Systems:**
 - Windows XP with SP2 or later
 - Windows 2000 Professional with SP4
 - Windows 2000 Server with SP4 or later
 - Windows Server 2003 with SP1 or later

Required Software

- Microsoft Internet Explorer 6.0 SP1 or later (prerequisite for .NET Framework and SQL Server Express).
- Microsoft Window Installer 3.1 must already be installed (prerequisite for .NET Framework and SQL Server Express).
- Microsoft Data Access Components (MDAC) 2.8 SP1 or later. You can download MDAC 2.8 SP1 from this [Microsoft Web site](#).
- Microsoft .NET Framework 2.0. You do not need to download .NET Framework 2.0 from Microsoft's Web site. Once you start to install SQL Server 2005 Express, the setup program will prompt you with this requirement and install it for you, if needed.

Install New Instance of SQL 2005 Express Edition

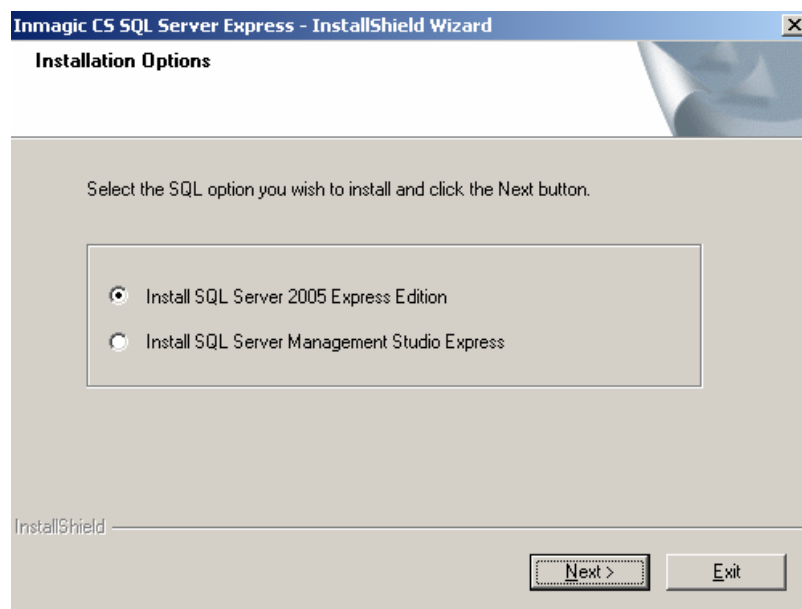
Installation CD or Electronic Download

Insert the SQL 2005 Express Edition CD-ROM into the drive. The InstallShield Wizard should automatically start. If not, from the Windows Start menu, choose Run. On the Run dialog box, type the CD-ROM drive letter followed by the SETUP command (for example, D:\SETUP.EXE)

If installing from the electronic download, download and unzip to a temporary folder. Navigate to that folder and double-click setup.exe. The InstallShield Wizard will begin.

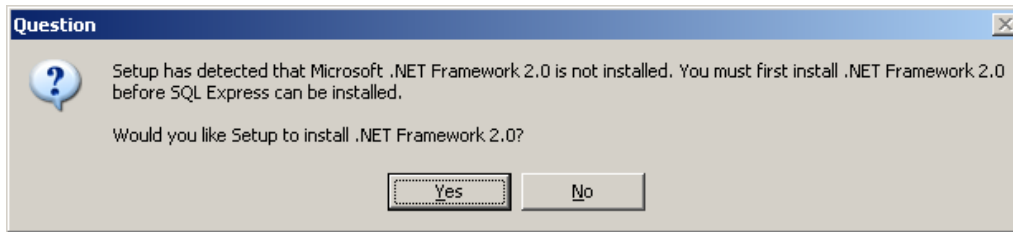
1. Installation Options

Select the option **Install SQL Server 2005 Express Edition**. Click **Next** to continue.



2. .NET Framework 2.0 Setup

If the InstallShield Wizard detects that the Microsoft .NET Framework 2.0 is not installed, the following pop-up will prompt you to install it. Click **Yes** to install the necessary .NET Framework 2.0 files or **No** to cancel the installation.



If you click **Yes**, the .NET Framework 2.0 Setup will appear onscreen.

Click **Next** to continue.

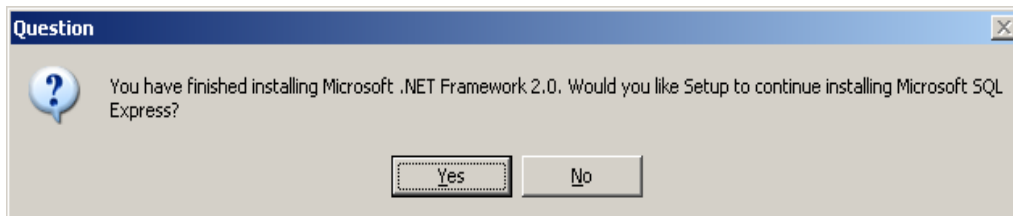
Read and accept the terms of the license agreement, then click the **Install** button.

When all required .NET Framework 2.0 files have been successfully installed, click **Finish**.

The screen below will prompt you to continue installing SQL Express.

Click **Yes** to continue or **No** to cancel the installation.

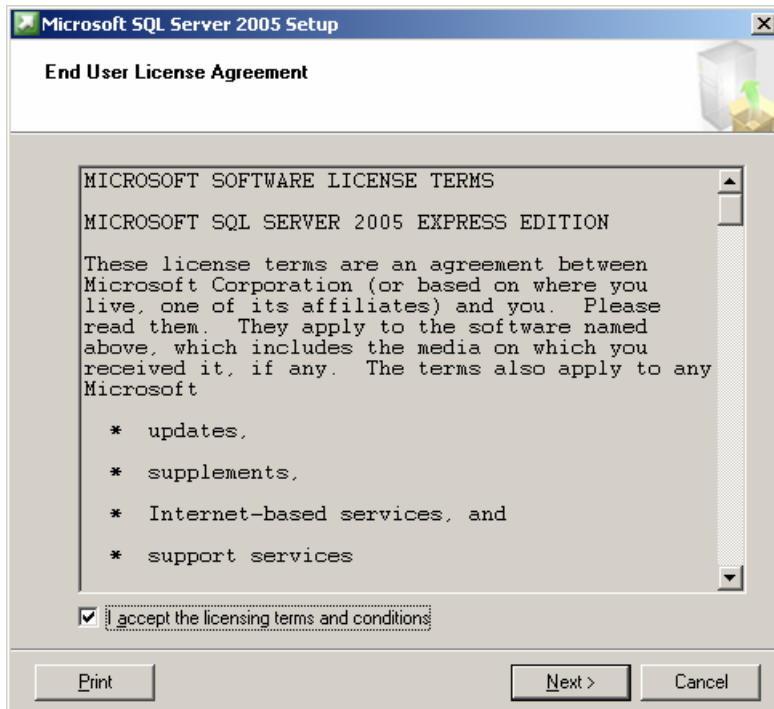
At this point, if you click **No**, Microsoft .NET Framework 2.0 will not be removed. If you would like to remove it, go to Add/Remove Programs and remove Microsoft .NET Framework 2.0.



3. If you click **Yes**, the InstallShield Wizard will extract the files and begin the Microsoft SQL Server Express 2005 Setup.

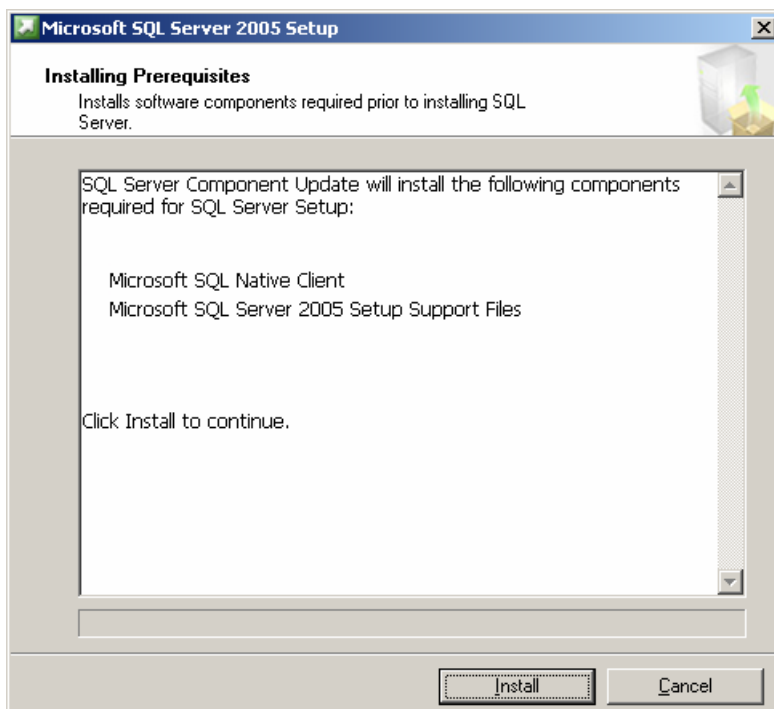
4. End User License Agreement

Click the check box to accept the Microsoft license agreement. This will enable the **Next** button. Click **Next** to continue or **Cancel** to cancel the installation. You can also print the license agreement from this screen.



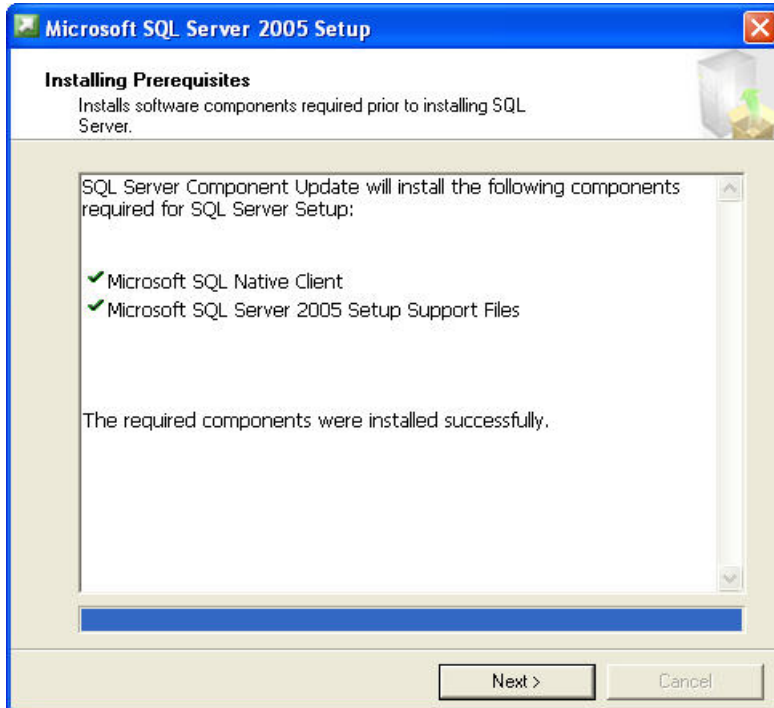
5. Installing Prerequisites

Click the **Install** button to continue installing the required SQL Server components. When the prerequisites installation is finished, click **Install** to continue.



6. Once the prerequisites are installed, the **Microsoft SQL Server 2005 Setup** will indicate the 'The required components were installed successfully', click **Next** to continue.

Consult with your IT administrator if errors are encountered.



7. After a short system scan, the **Microsoft SQL Server Installation Wizard** will start. Click **Next** to continue.

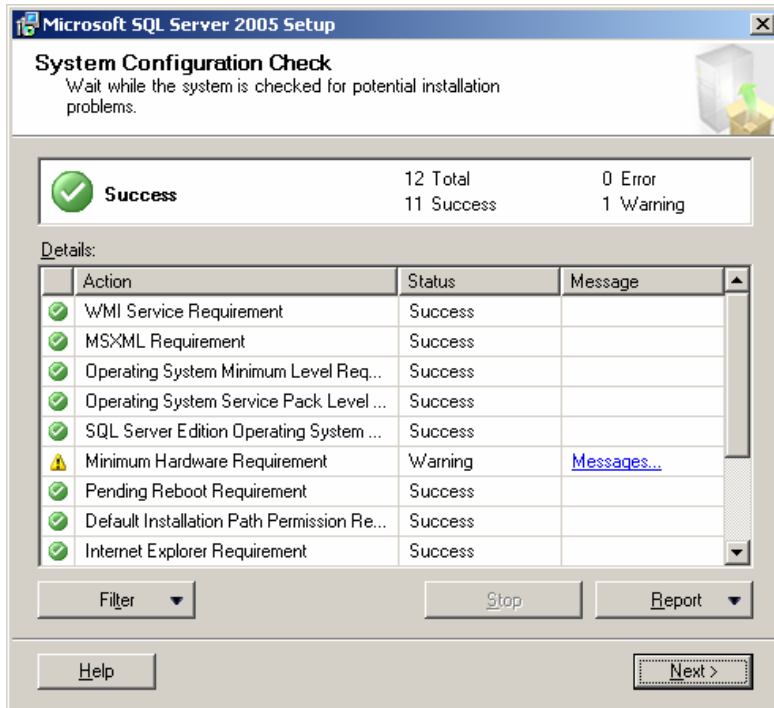


8. System Configuration Check

The Microsoft SQL Server Installation Wizard checks your system for potential installation problems. If it encounters any, the **Status** and **Message** columns will provide feedback for further action, if necessary. When all system checks are complete, click **Next** to continue.

Note: A **Warning** status message will generally allow the SQL Express Setup to continue. **Error** messages always require that you exit SQL Express Setup to correct the error. If **Error** is listed in the **Status** column, you should view the **Messages** link for more information and then click the **Exit** button. You will need to correct the error before you can continue with the install process.

Consult with your IT administrator if errors are encountered.



9. Registration Information

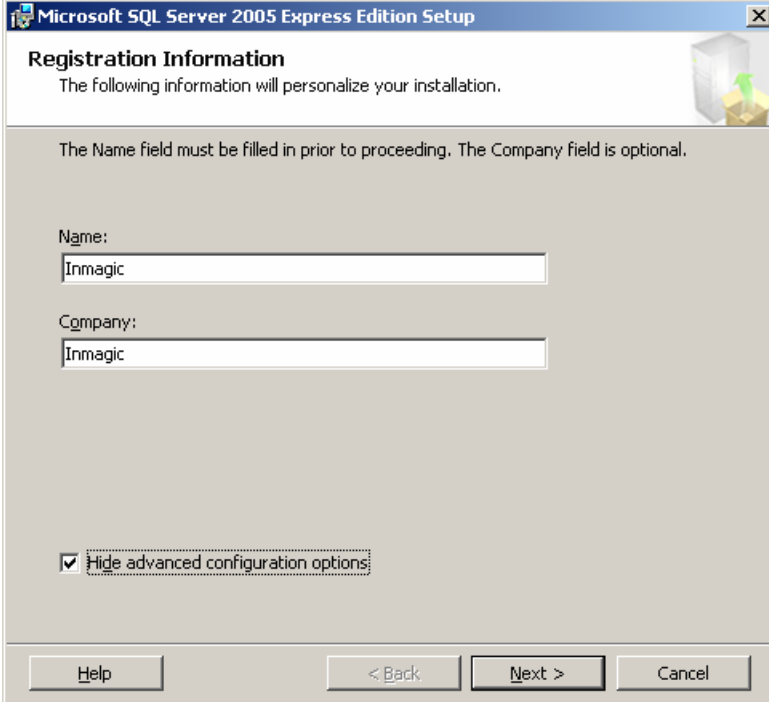
Enter your Name and Company in the fields provided.

Optionally, you may choose to Hide or Show the advanced configuration options. The default is **Hide advanced configuration options**.

If you wish to change any of these default values, uncheck **Hide advanced configuration options**. This will allow you to change the default settings for Instance Name, Service Account, User Instances and Collation.

Note: We recommend that you use the default values if this is a new installation of SQL Express.

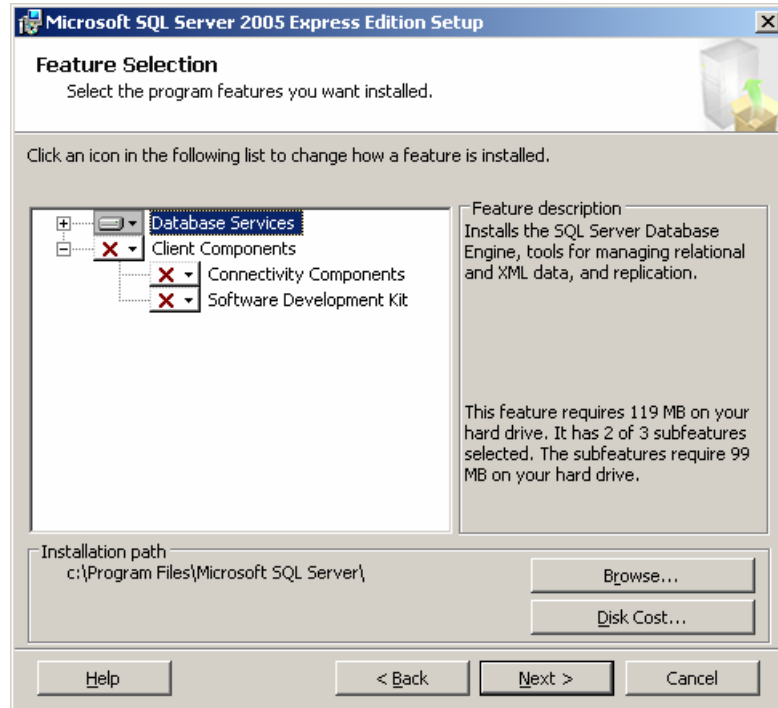
Click **Next** to continue.



The screenshot shows the "Registration Information" dialog box from the Microsoft SQL Server 2005 Express Edition Setup. The dialog has a title bar with the text "Microsoft SQL Server 2005 Express Edition Setup" and a close button. The main content area is titled "Registration Information" and contains the text "The following information will personalize your installation." Below this, a note states: "The Name field must be filled in prior to proceeding. The Company field is optional." There are two text input fields: "Name:" with the value "Inmagic" and "Company:" with the value "Inmagic". At the bottom, there is a checked checkbox labeled "Hide advanced configuration options". The dialog box has a standard Windows-style footer with four buttons: "Help", "< Back", "Next >", and "Cancel".

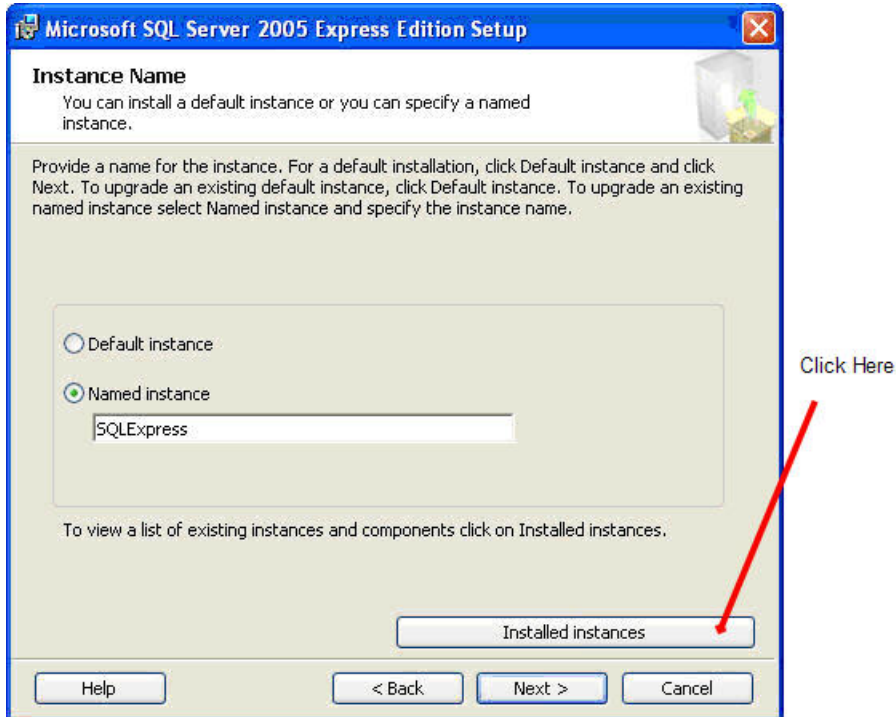
10. Feature Selection

By default, only Database Services is selected. Client Components are not used by *Content Server*. We recommend that you accept the default feature selection. You can optionally change the Installation path by clicking the **Browse** button. The **Disk Cost** button will display current disk usage as well as how much disk space is needed to install your chosen features. Click **Next** to continue.



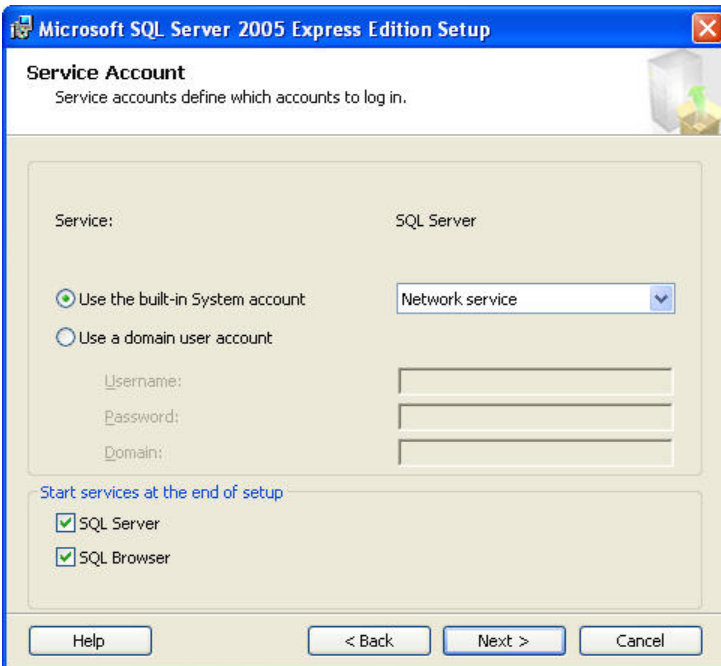
11. Instance Name

If you unchecked **Hide advanced configuration options** in the Registration Information dialog box in step 10, you will see the Instance Name screen. By default, SQL Server Express uses **SQLExpress** for Instance Name. We recommend that you do not change this to enable easier troubleshooting and future upgrades. Click **Next** to continue.



12. Service Account

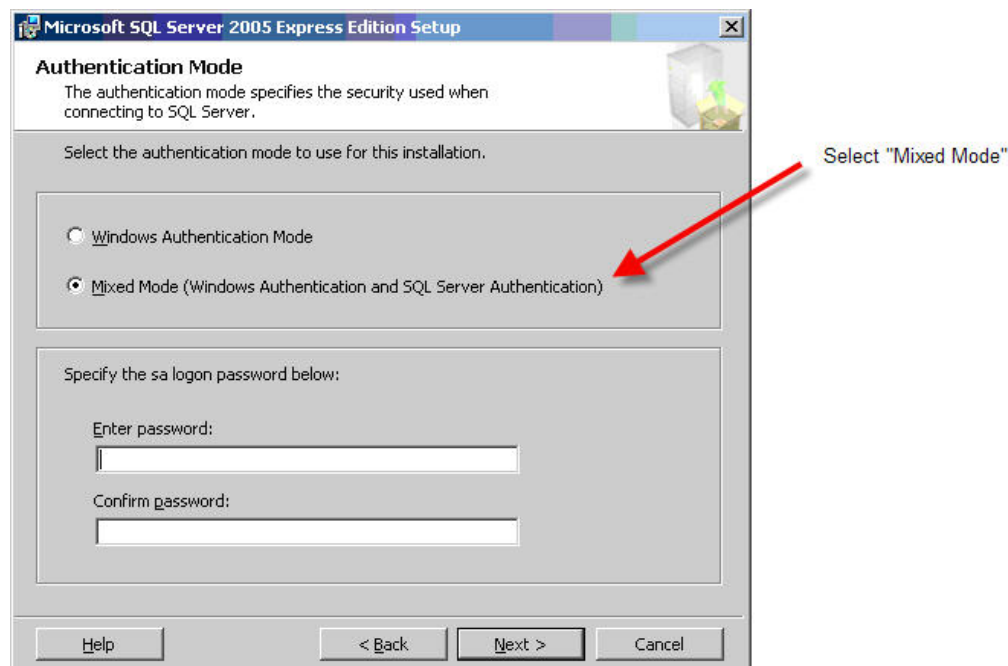
If you unchecked the **Hide advanced configuration options** in the Registration Information dialog box in step 10, you will see the Service Account screen. We recommend that you do not change these default built-in System account unless required by your IT administrator. *Content Server Workgroup v10.00* uses the default settings (shown below). Click **Next** to continue.



13. Authentication Mode

Content Server Workgroup only supports SQL Authentication. Therefore, select **Mixed Mode**.

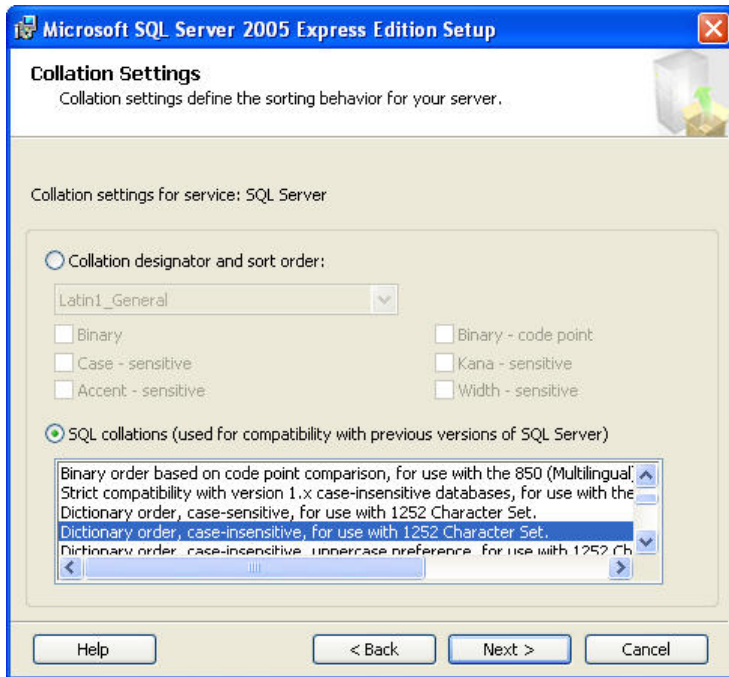
Create a password for the SQL System Administrator (sa) account. Use a strong password of sufficient length with a mix of character types. Store this password. It will be needed to administer the SQL Server Express database and is required for future upgrades. Click **Next** to continue.



14. Collation Settings

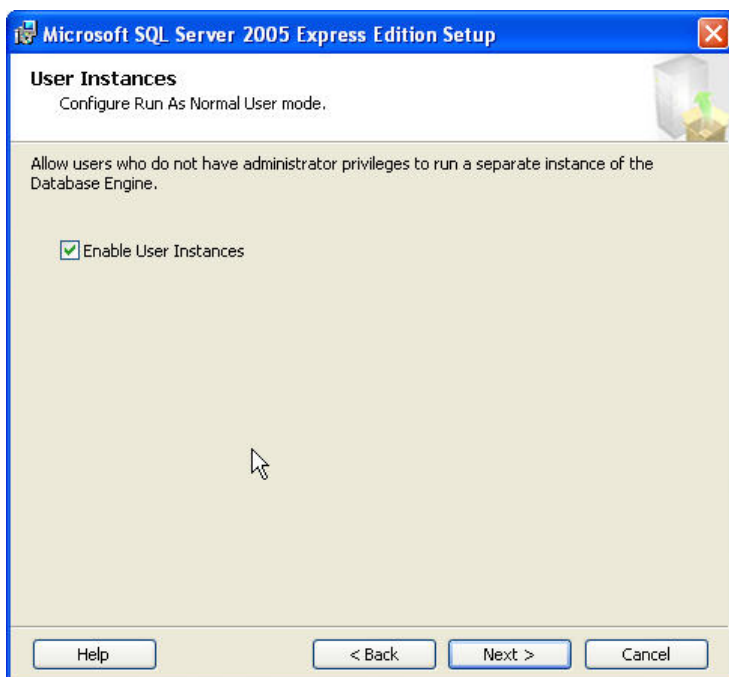
If you unchecked the **Hide advanced configuration options** in the Registration Information dialog box in step 10, you will see the Collation Settings screen. We recommend using the default SQL collation.

If you encounter issues with sorting, please refer back to the Collation Setting selected at this time to help troubleshoot the problem. Additionally, Microsoft provides further detail regarding these collations (<http://msdn2.microsoft.com/en-US/library/ms143311.aspx>). Click **Next** to continue.



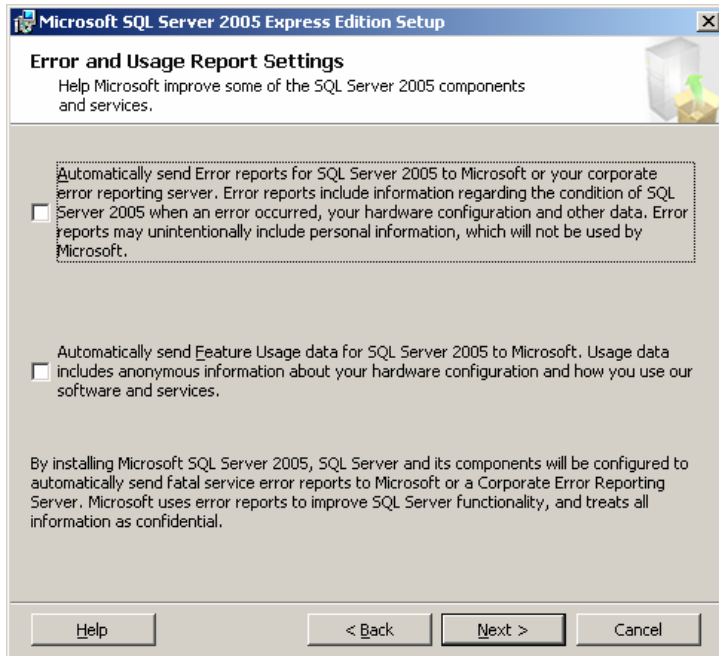
15. User Instances

If you unchecked the **Hide advanced configuration options** in the Registration Information dialog box in step 10, you will see the User Instances screen. Please refer to the **Help** provided. We recommend that you leave **Enable User Instances** checked. Click **Next** to continue.



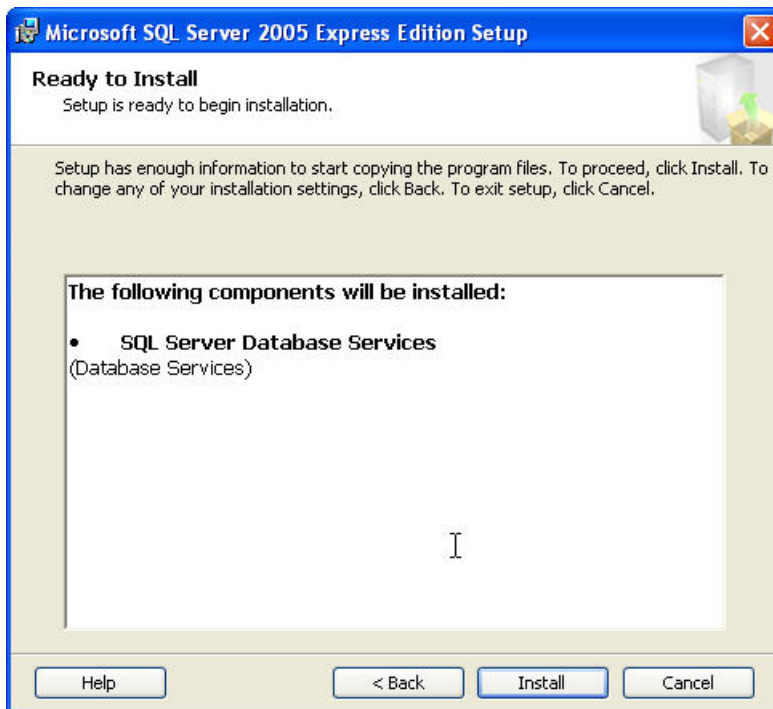
16. Error and Usage Report Settings

If you wish to send error and/or usage reports to Microsoft, optionally select or deselect the items listed. The default is unchecked. Click **Next** to continue.



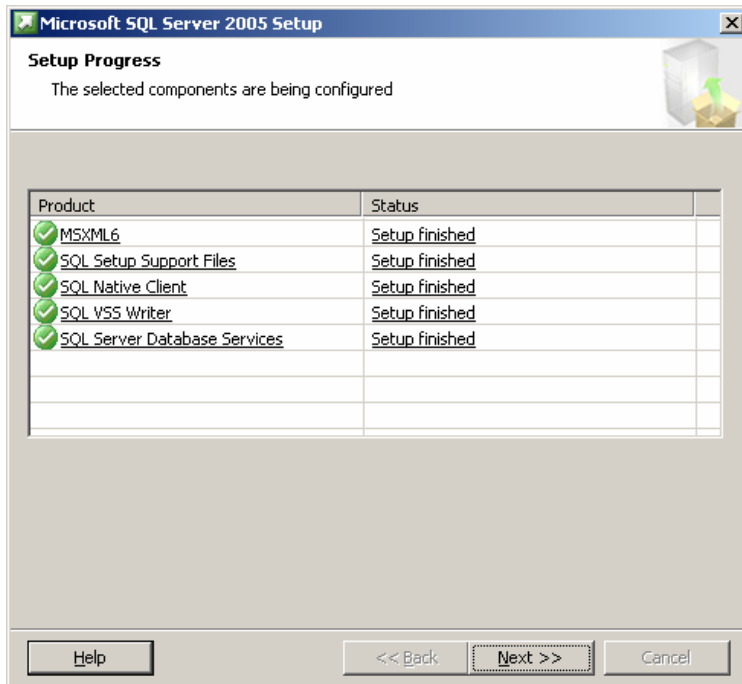
17. Ready to Install

Microsoft SQL Server Installation Wizard now has enough information to start copying the program files to your hard disk. To change any of your installation settings, click **Back**. Click the **Install** button to continue installing Microsoft SQL Server Express.



18. Setup Progress

As each SQL Server component finishes, it will appear in the Status column.



When Setup is finished, the **Next** button will be enabled. Click **Next** to continue.

TROUBLESHOOTING:

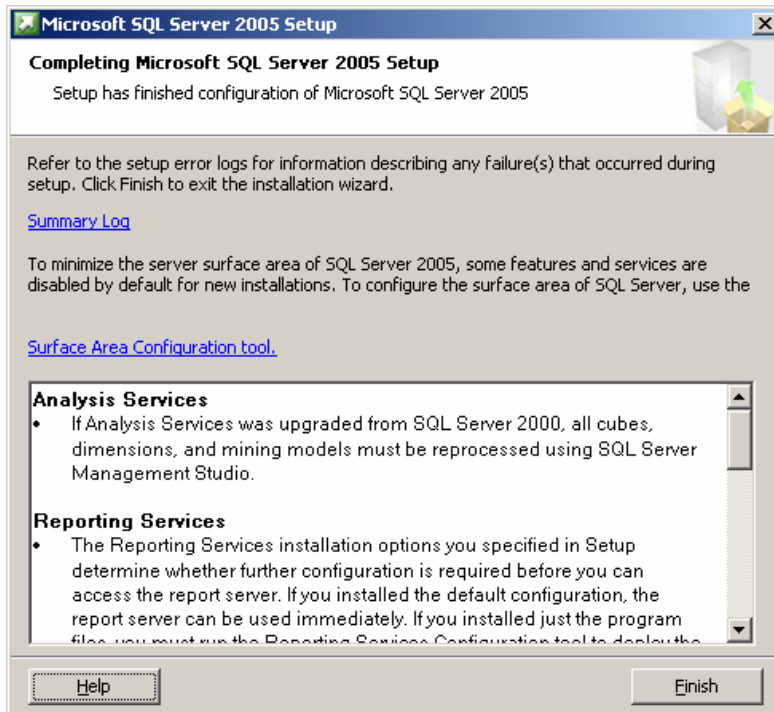
There is a known Microsoft bug which may cause the existing SQL Native Client installation setup to fail (<http://support.microsoft.com/default.aspx?scid=kb;en-us;910229>).

To fix this problem:

- 1) Exit the installation
- 2) Uninstall SQL Native Client by using **Add or Remove Programs**
- 3) Run setup again

19. Completing Microsoft SQL Server 2005 Setup

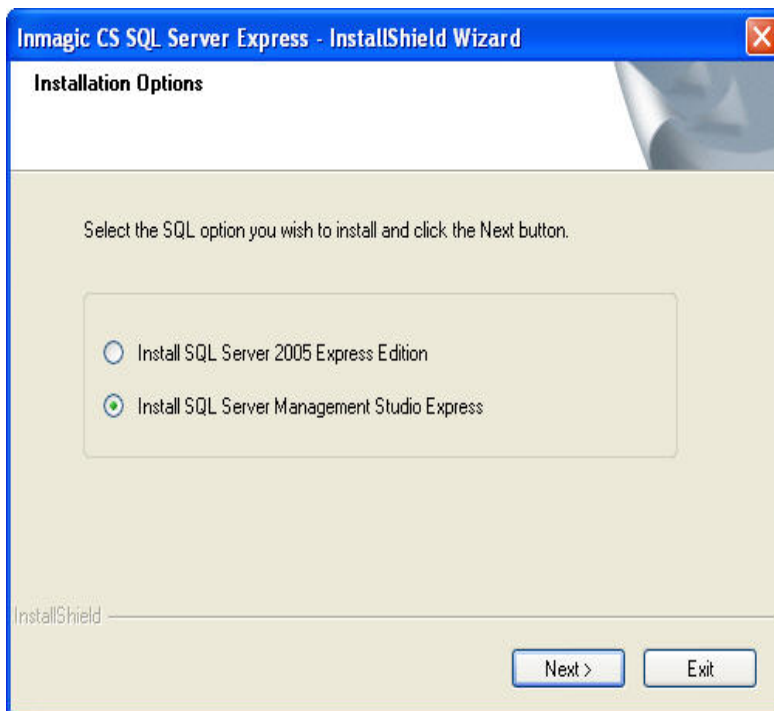
You have completed the section, **Install New Instance of SQL Server 2005 Express Edition**. Click **Finish**.



20. The Inmagic Installation Wizard will be displayed next.

Before electing to install of the SQL Server Management Studio Express (installation is optional and not required for *Content Server*), complete the installation of the SQL Server Express by configuring your Microsoft SQL Server 2005 Express Instance. Go to [Configure the New SQL Server 2005 Express Instance](#) on the next page to complete your new installation of SQL Server Express.

Once you have completed the configuration, proceed with installing the [SQL Server Management Studio Express](#), if desired, or click **Exit**.



Configure a New SQL Server 2005 Express Instance

To complete your new installation of SQL Server Express, it must be configured to work with *Content Server Workgroup*. The following steps are required to complete this configuration:

- [SQL Server Surface Area Configuration](#)
- [SQL Server Configuration Manager](#)

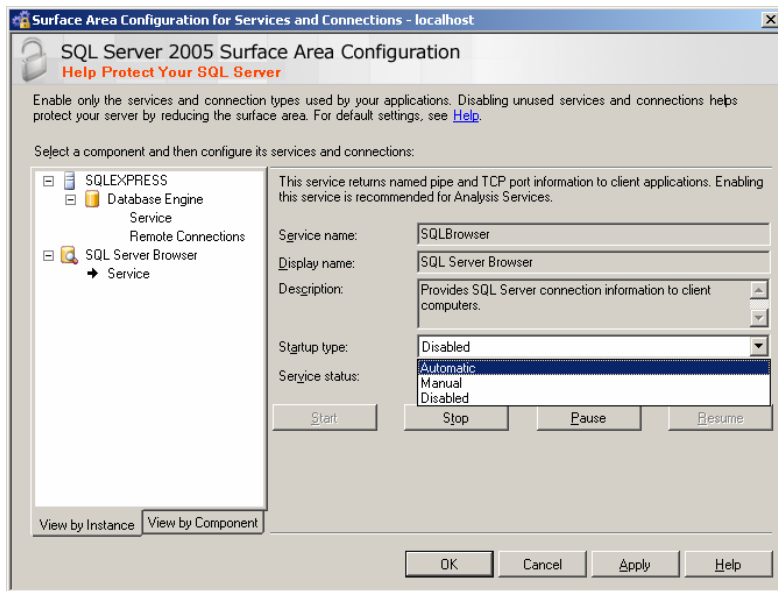
SQL Server Surface Area Configuration

This configuration will set whether SQL Server Express should start up automatically or require manual startup. *Content Server Workgroup* requires that SQL Server Express be automatically started.

1. Click Start>All Programs>Microsoft SQL Server 2005>Configuration Tools>SQL Server Surface Area Configuration.
2. Click **Surface Area Configuration for Services and Connections** as noted below.



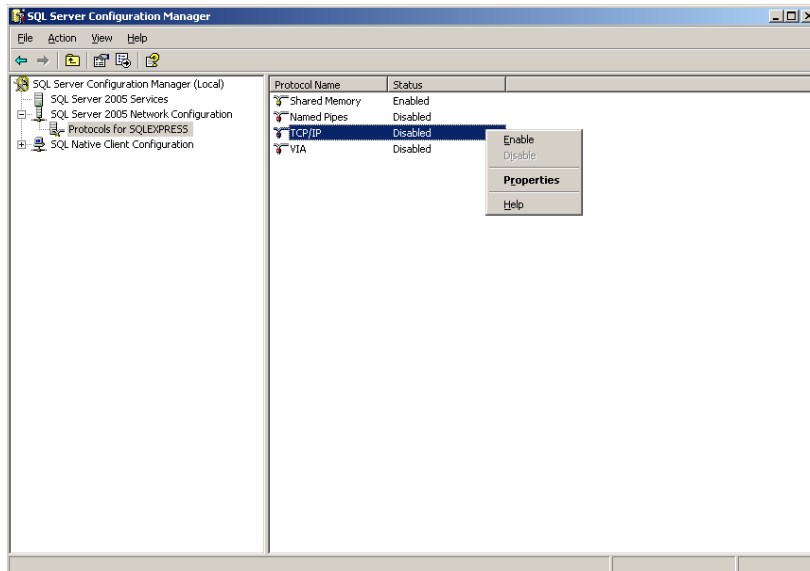
3. Highlight **SQL Server Browser** in the left window. From the **Startup Type** pull down on the right, select **Automatic**. Then, click **OK** to close the dialog box. Close **Surface Area Configuration**.



SQL Server Configuration Manager

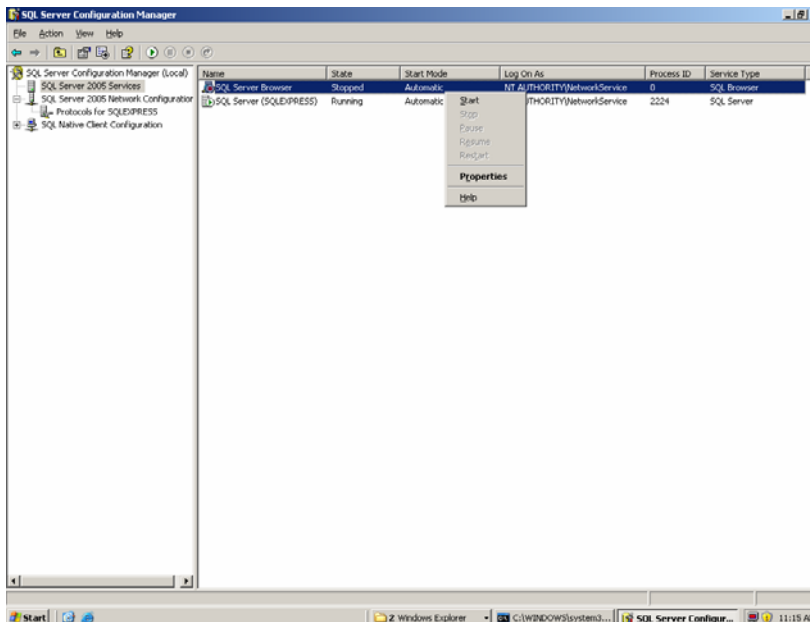
This configuration sets the necessary protocols (TCP/IP) and remote connectivity from another server.

1. Click Start>All Programs>Microsoft SQL Server 2005>Configuration Tools>SQL Server Configuration Manager.
2. Expand **SQL Server 2005 Network Configuration** and highlight **Protocols for SQLEXPRESS**. Enable **TCP/IP** protocol as show below.

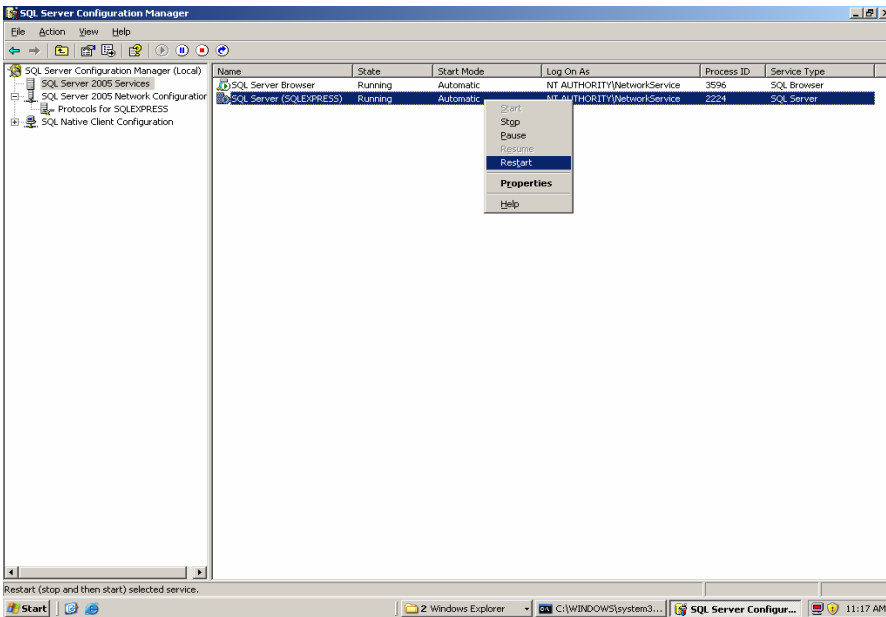


3. Click **SQL Server 2005 Services** on the same screen.
4. Right click on **SQL Server Browser** and if the **State** column indicates **Stopped**, click **Start**.

This allows a remote machine to access SQL Server Express by using an instance name (for example: MachineName\SQLEXPRESS).



5. Right click on **SQL Server (SQLEXPRESS)** and click **Restart**.



Close the SQL Server Configuration Manager.

6. SQL Server Express configuration is now complete.
7. The next step is to install *Content Server Workgroup v10.00*. Refer to the *Content Server Workgroup v10.00* Installation notes for instruction on how to proceed. These installation notes are available from the *Content Server Workgroup v10.00* distribution CD or electronic download as well as from the Inmagic website (<http://support.inmagic.com/Web/default.htm>).

Upgrade MSDE to SQL Server 2005 Express Edition

The following set of instructions enables you to upgrade your *Content Server* MSDE to SQL Server 2005 Express Edition.

IMPORTANT:

Back up all existing MSDE databases/textbases before attempting to upgrade. You may back up your databases/textbases through the *Content Server* v10.00 Administration program.

Upgrade to *Content Server* Workgroup v10.00 **BEFORE** upgrading MSDE to SQL Server Express.

Note that *Content Server* Workgroup v10.00 works with either MSDE or SQL Server Express.

Earlier versions of *Content Server* Workgroup **ONLY** work with MSDE. Therefore, upgrade to *Content Server* Workgroup v10.00 and verify connectivity with the existing MSDE database before proceeding to upgrade MSDE to SQL Server Express.

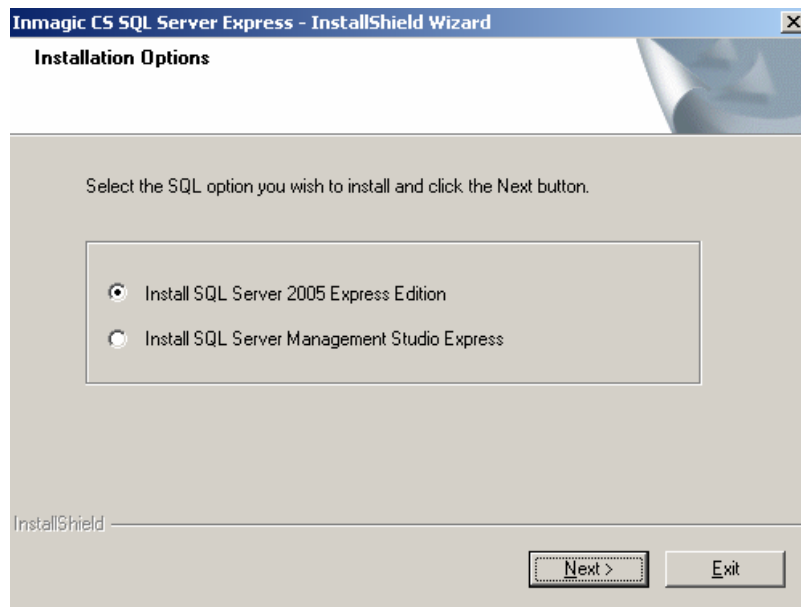
Installation CD or Electronic Download

Insert the SQL 2005 Express Edition CD-ROM into the drive. The InstallShield Wizard should automatically start. If not, from the Windows Start menu, choose Run. On the Run dialog box, type the CD-ROM drive letter followed by the SETUP command (for example, D:\SETUP.EXE).

If installing from the electronic download, download and unzip to a temporary folder. Navigate to that folder and double-click setup.exe. The InstallShield Wizard will begin.

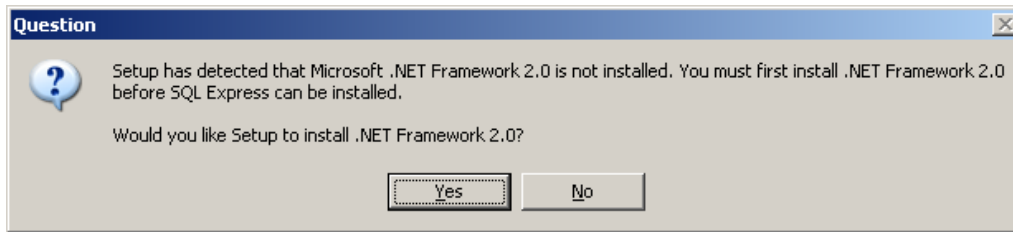
1. Installation Options

Select the option **Install SQL Server 2005 Express Edition**. Click **Next** to continue.



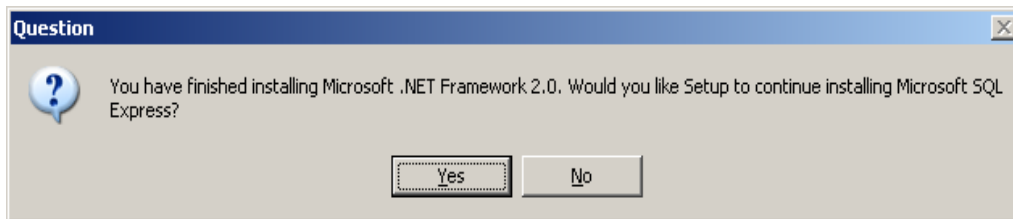
2. .NET Framework 2.0 Setup

If the InstallShield Wizard detects that the Microsoft .NET Framework 2.0 is not installed, the following pop-up will prompt you to install it. Click **Yes** to install the necessary .NET Framework 2.0 files or **No** to cancel the installation.



If you click **Yes**, the .NET Framework 2.0 Setup will appear onscreen. Click **Next** to continue.

Read and accept the terms of the license agreement, then click the **Install** button. When all required .NET Framework 2.0 files have been successfully installed, click **Finish**. The screen below will prompt you to continue installing SQL Express. Click **Yes** to continue or **No** to cancel the installation.

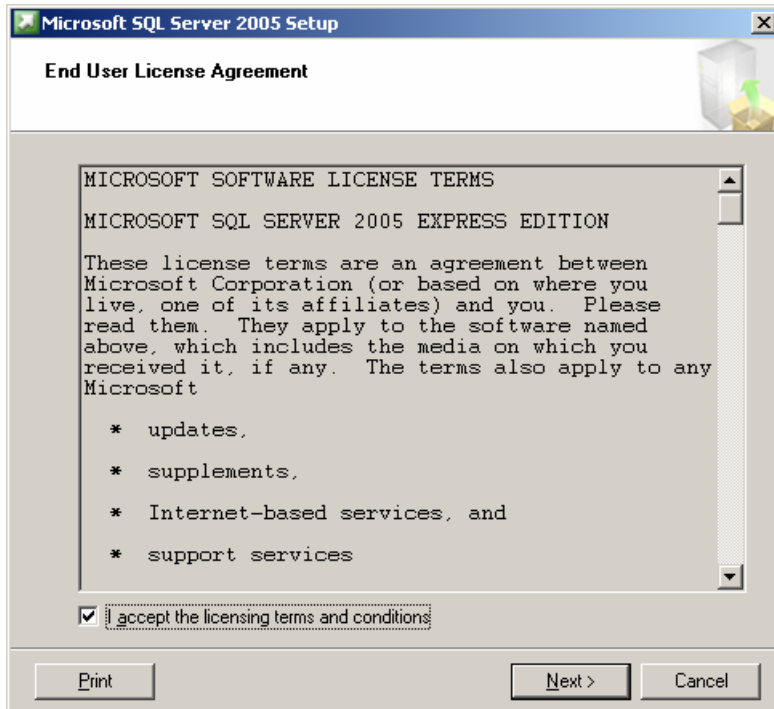


At this point, if you click **No**, Microsoft .NET Framework 2.0 will not be removed. If you would like to remove it, go to Add/Remove Programs and remove Microsoft .NET Framework 2.0.

3. If you click **Yes**, the InstallShield Wizard will extract the files and begin the Microsoft SQL Server Express 2005 Setup.

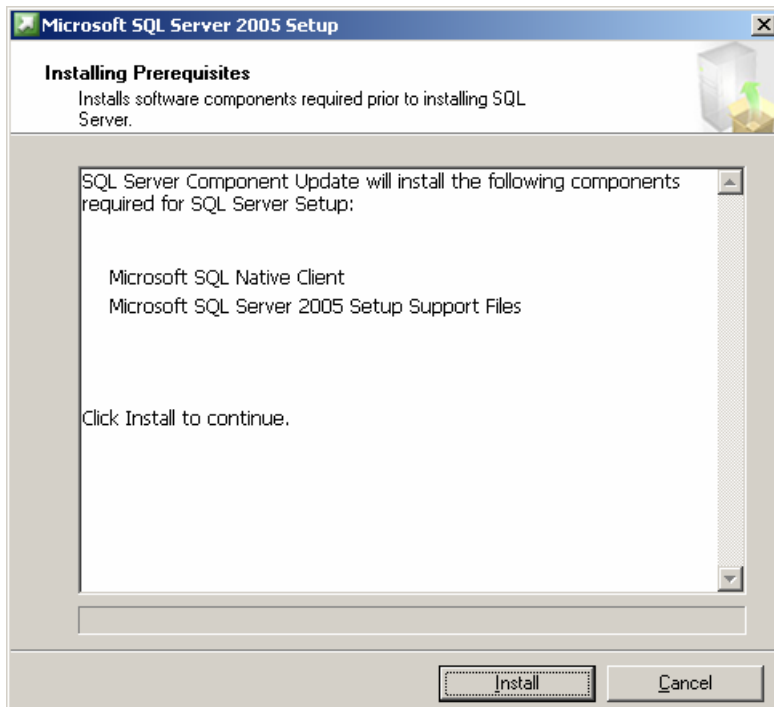
4. End User License Agreement

Click the checkbox to accept the Microsoft license agreement. This will enable the **Next** button. Click **Next** to continue or **Cancel** to cancel the installation. You can also print the license agreement from this screen.



5. Installing Prerequisites

Click the **Install** button to continue installing the required SQL Server components. When the installation is finished, click **Next** to continue.



- After a short system scan, the **Microsoft SQL Server Installation Wizard** will start. Click **Next** to continue.

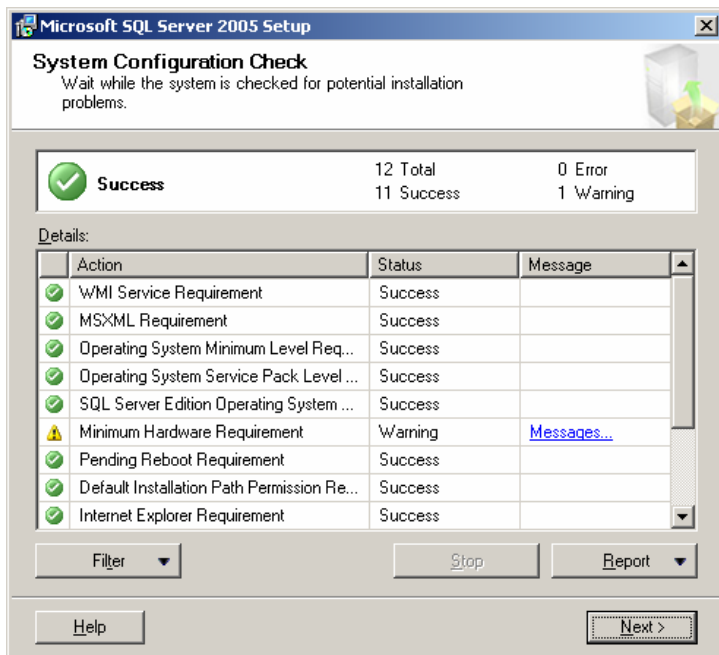


7. System Configuration Check

The Microsoft SQL Server Installation Wizard checks your system for potential installation problems. If it encounters any, the **Status** and **Message** columns will provide feedback for further action, if necessary. When all system checks are complete, click **Next** to continue.

Note: A **Warning** status message will generally allow the SQL Setup to continue. **Error** messages always require that you exit SQL Setup to correct the error. If **Error** is listed in the **Status** column, you should view the **Messages** link for more information and then click the **Exit** button. You will need to correct the error before you can continue with the install process.

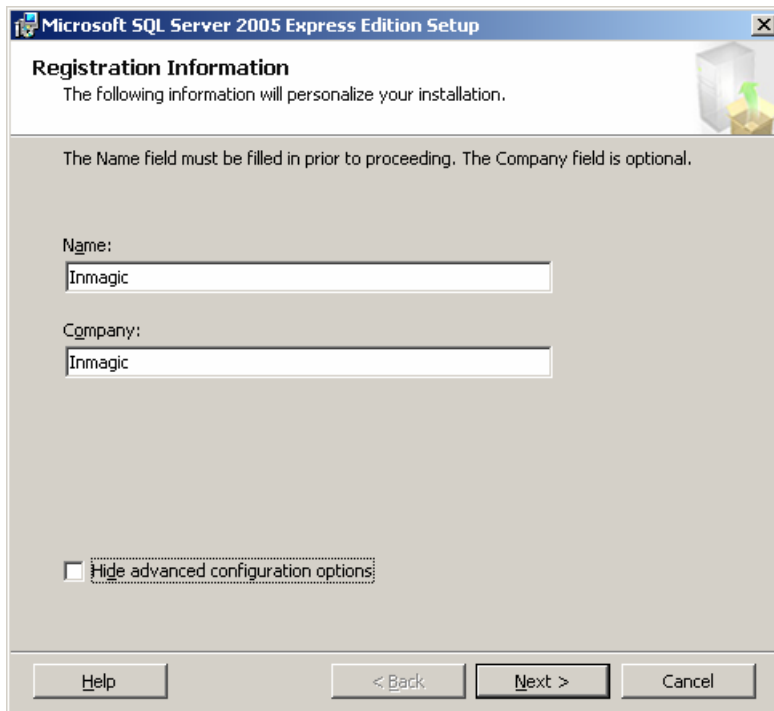
Consult with your IT administrator if errors are encountered.



8. Registration Information

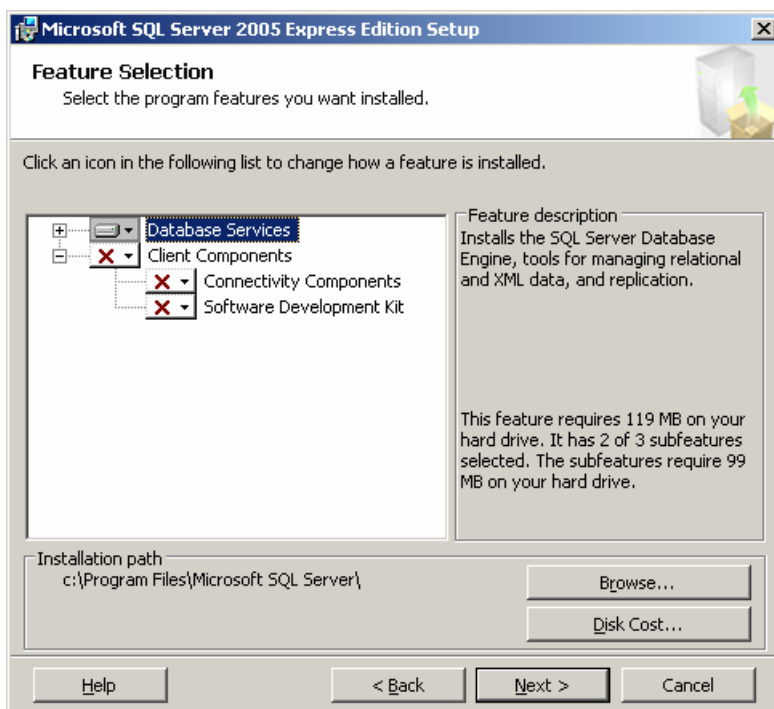
Enter your Name and Company in the fields provided.

IMPORTANT! Uncheck **Hide advanced configuration options**. This is necessary to successfully upgrade *Content Server* MSDE to Microsoft SQL Server 2005 Express. Click **Next** to continue.



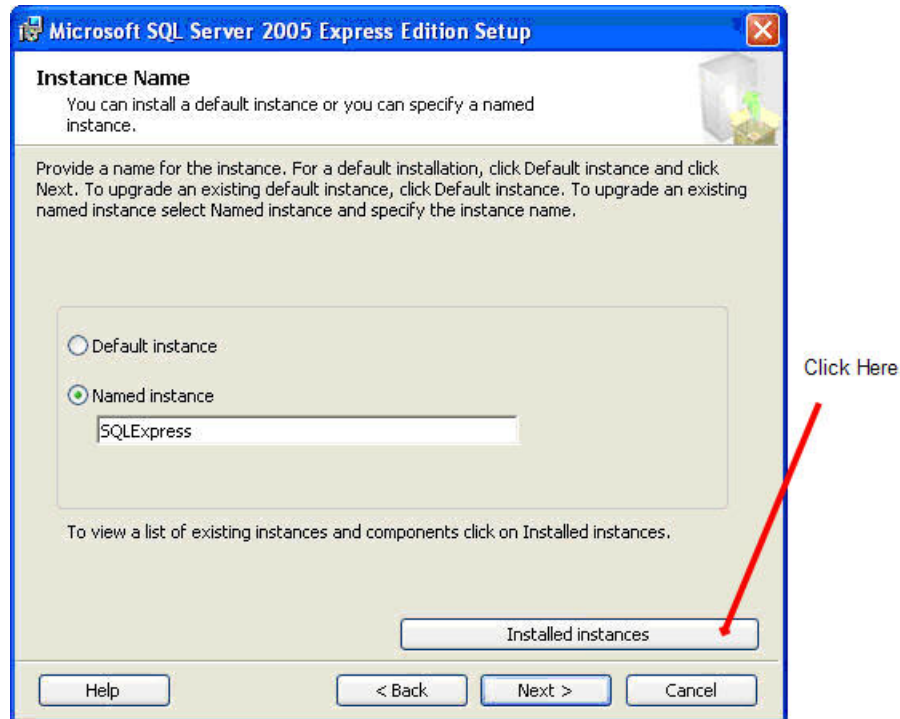
9. Feature Selection

By default, only Database Services is selected. Client Components are not used by *Content Server* Workgroup. We recommend that you accept the default feature selection. You can optionally change the **Installation path** by clicking the **Browse** button. The **Disk Cost** button will display current disk usage as well as how much disk space is needed to install your chosen features. Click **Next** to continue.



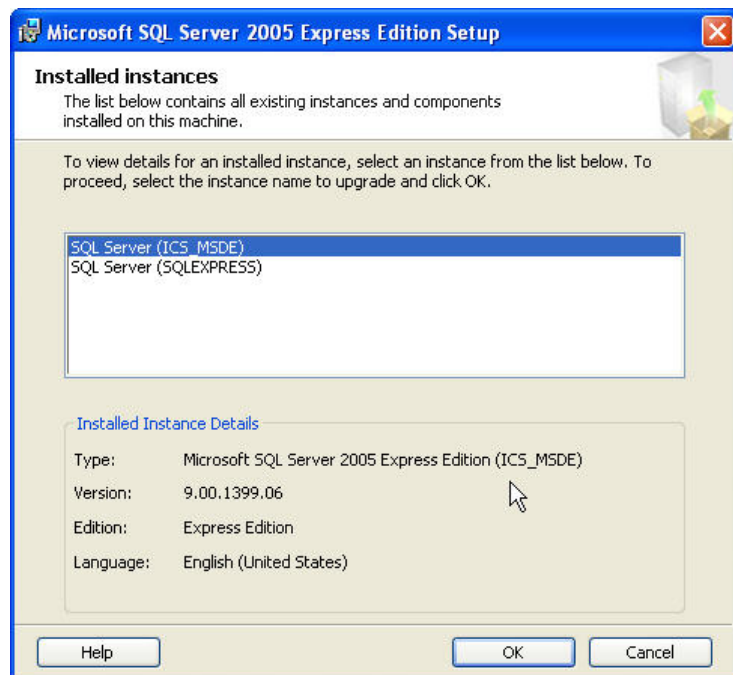
10. Instance Name

Click the **Installed instances** button.



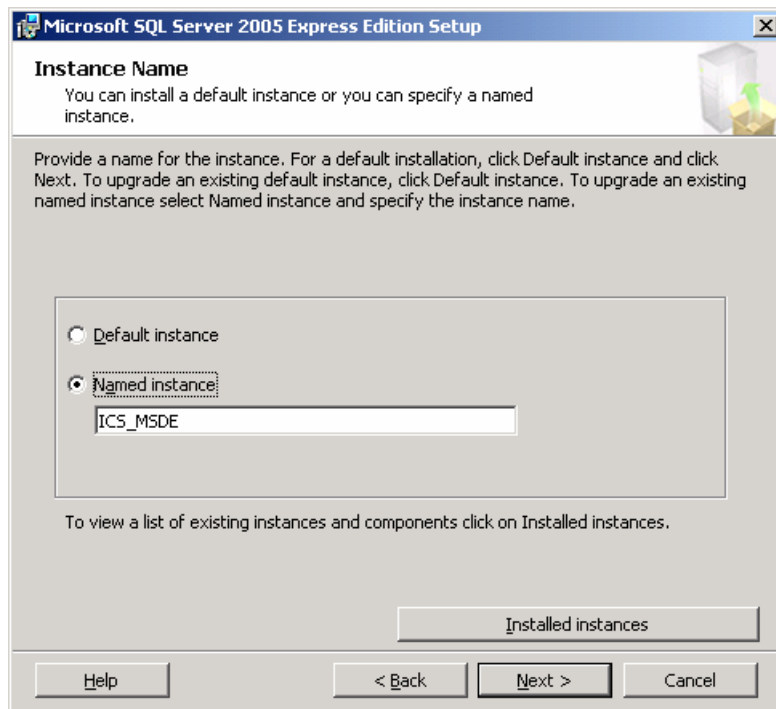
Select the *Content Server Workgroup* MSDE instance that you are upgrading (for example: ICS_MSDE).

Note that *Content Server Workgroup* v1.3 and earlier MSDE installations assigned ICS_MSDE as the default instance name. Select the instance and click **OK** to close the **Installed instances** dialog box.



Your **Named instance** (for example, ICS_MSDE) should then appear on the Instance Name screen. Note that when upgrading MSDE to SQL Server Express, the SQL Server Express instance name will be the **SAME** as the MSDE instance name. It does not change.

Click **Next** to continue.

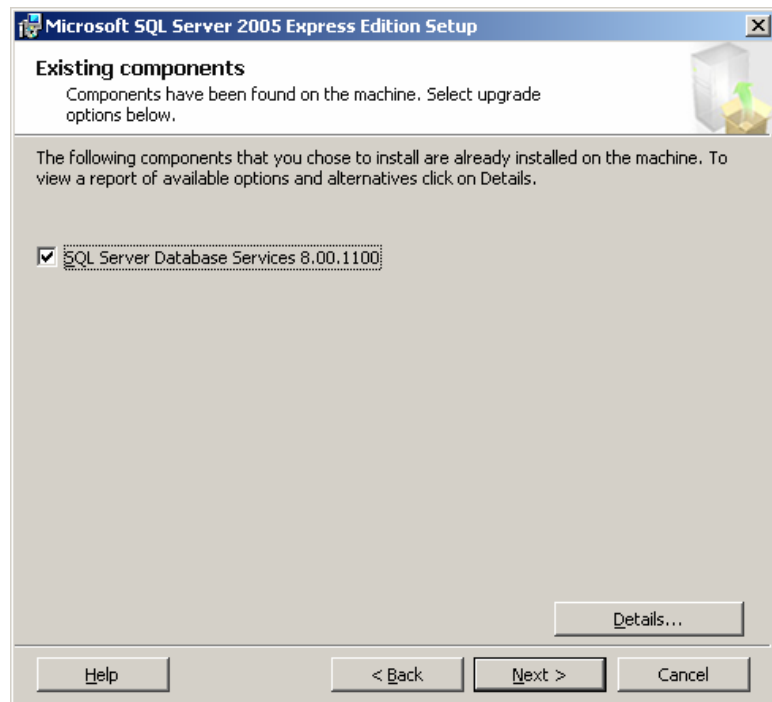


11. Existing components

On the Existing Components screen, check **SQL Server Database Services 8.00.1100**. This is the official MSDE version name. This will allow you to upgrade the MSDE database engine to version 10.00 (SQL Server 2005 Express).

If the selection is grayed out or not available, you may have a version of MSDE that is not upgradeable via the SQL Express Setup. Refer to the Inmagic Knowledgebase article 2896 for instruction on how to proceed.

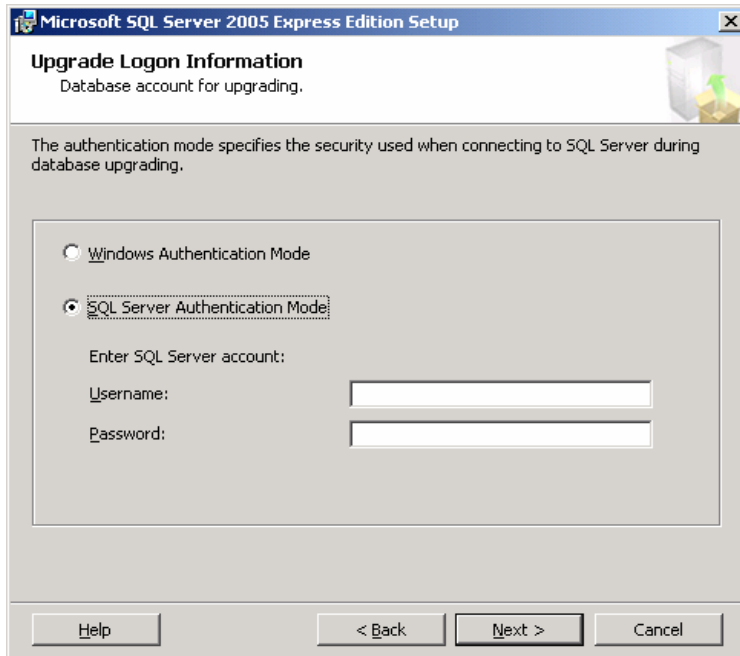
Otherwise, click **Next** to continue.



12. Upgrade Logon Information

Select the option for **SQL Server Authentication Mode**. *Content Server* Workgroup only supports SQL Server Authentication. Enter the SQL System Administrator (sa) Username and Password for your existing MSDE account. If you do not remember your Username and Password, please speak to your IT administrator or contact Inmagic Technical Support.

Click **Next** to continue.



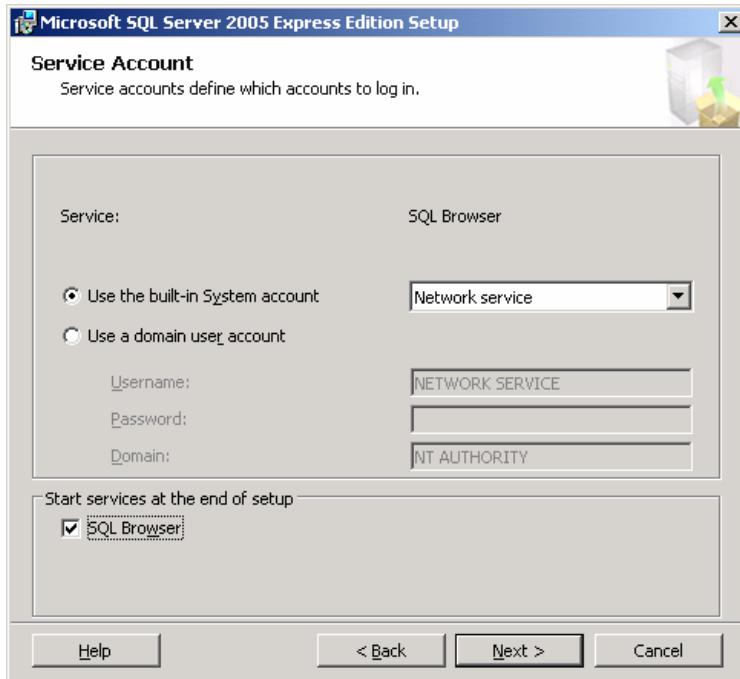
The screenshot shows the 'Upgrade Logon Information' dialog box from the Microsoft SQL Server 2005 Express Edition Setup. The title bar reads 'Microsoft SQL Server 2005 Express Edition Setup'. The main title is 'Upgrade Logon Information' with the subtitle 'Database account for upgrading.' Below this, a paragraph states: 'The authentication mode specifies the security used when connecting to SQL Server during database upgrading.' There are two radio button options: 'Windows Authentication Mode' (unselected) and 'SQL Server Authentication Mode' (selected). Under the selected option, there is a label 'Enter SQL Server account:' followed by two input fields: 'Username:' and 'Password:'. At the bottom of the dialog, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'.

13. Analyzing and validating upgrade screens appear with status complete percentages.

14. Service Account

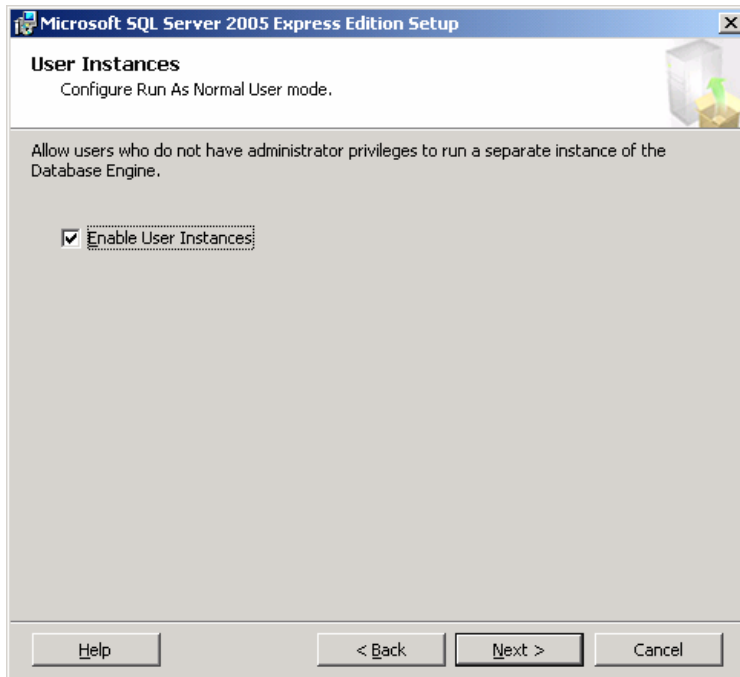
We recommend that you do not change these default built-in System account unless required by your IT administrator. *Content Server Workgroup v10.00* uses the default settings (shown below). Click **Next** to continue.

Note: The SQL Browser service starts automatically for upgraded installations. It allows remote machines to access SQL Server Express by using the instance name (for example: MachineName\SQLEXPRESS).



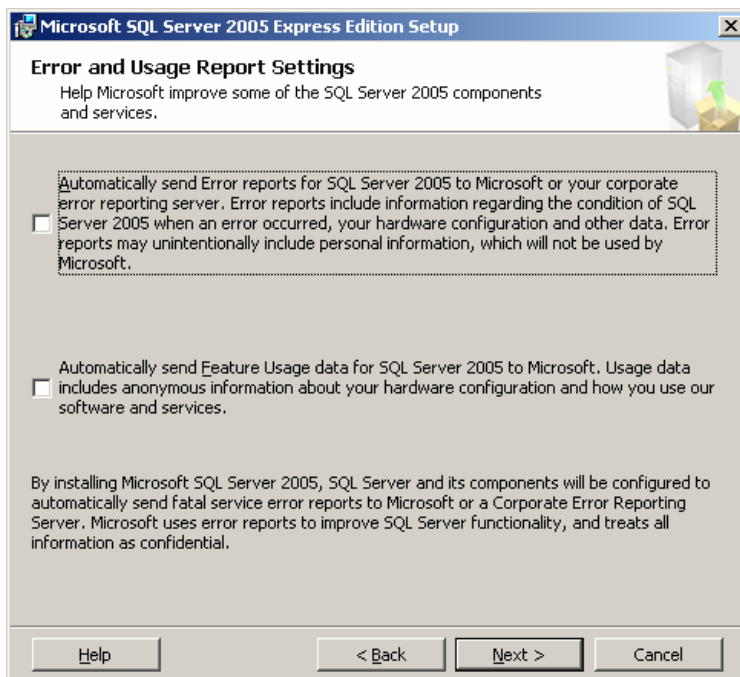
15. User Instances

We recommend that you use the default information on this screen. Click **Next** to continue.



16. Error and Usage Report Settings

If you wish to send error and/or usage reports to Microsoft, optionally select the items listed. The default is unchecked. Click **Next** to continue.

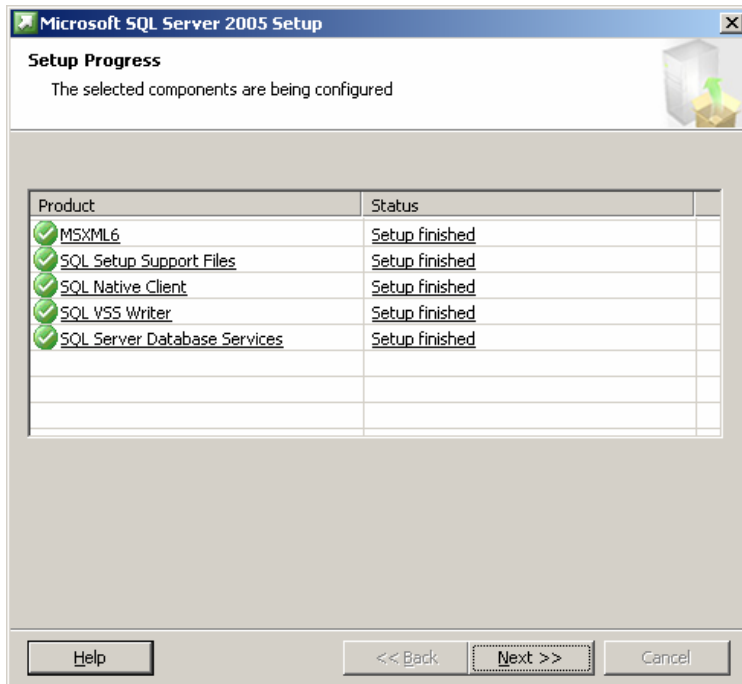


17. Ready to Install

The Microsoft SQL Server Installation Wizard now has enough information to start copying the program files to your hard disk. To change any of your installation settings, click **Back**. Click the **Install** button to continue installing Microsoft SQL Server Express.

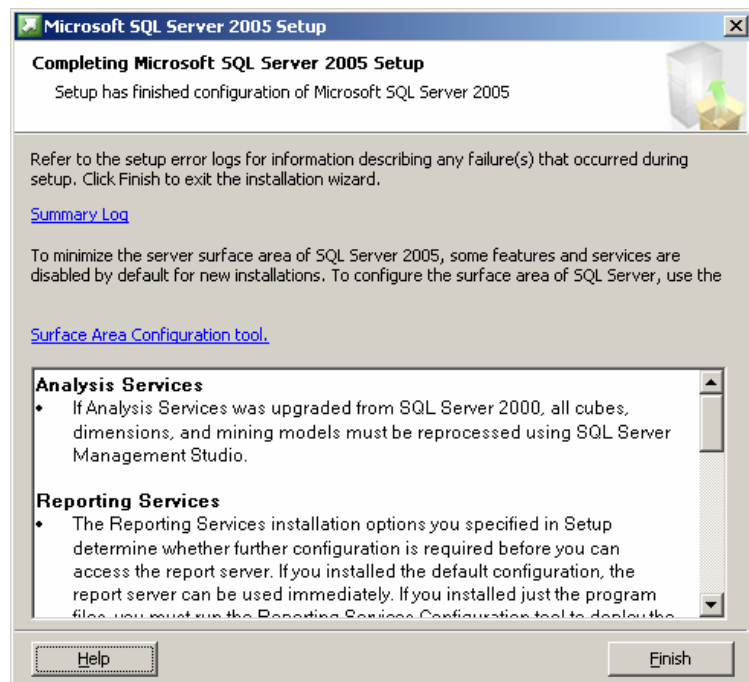
18. Setup Progress

As each SQL Server component finishes, it will appear in the Status column. When finished, the **Next** button will be enabled. Click **Next** to continue.



19. Completing Microsoft SQL Server 2005 Setup

SQL Server Express has been successfully installed. You can optionally click on the Summary Log or Surface Area Configuration tool links for extended information and configuration options. Click **Finish**.



Your previous version of Microsoft SQL Server Desktop Engine (MSDE) has been upgraded to Microsoft SQL Server 2005 Express Edition. There is no need to further configure the upgraded SQL Server Express. During the upgrade, the MSDE settings are carried over to SQL Server 2005 Express.

Install SQL Server Management Studio Express (Optional)

Installation of SQL Server Management Studio Express is optional.

Content Server does not require SQL Server Management Studio Express or encourage its use. All database/textbase management should be done through the *Content Server* Administration program.

SQL Server Management Studio Express provides a graphical management tool for SQL Server 2005 Express Edition. You can use this tool to optionally view the database information for *Content Server* v10.00 and later.

For information on how to use SQL Server Management Studio Express, please refer to the Microsoft Web site.

Note that SQL Server Management Studio Express can be installed at any time.

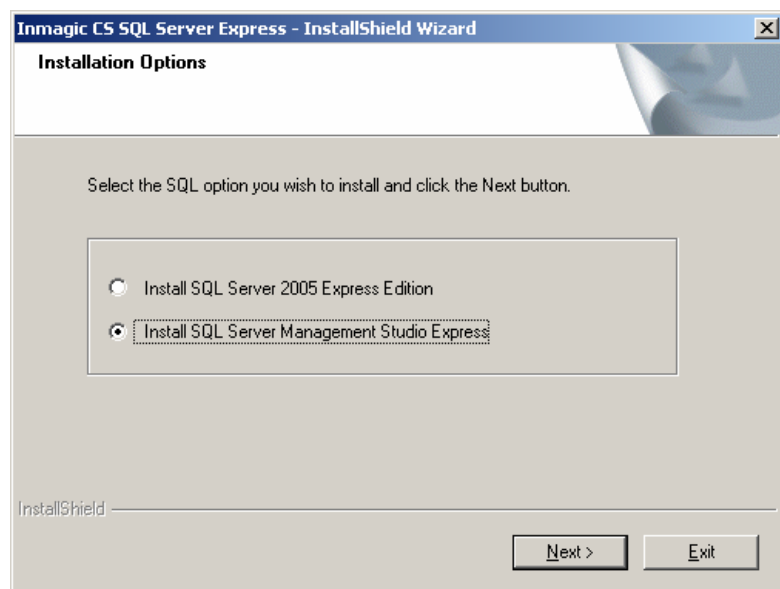
Installation CD or Electronic Download

Insert the SQL 2005 Express Edition CD-ROM into the drive. The InstallShield Wizard should automatically start. If not, from the Windows Start menu, choose Run. On the Run dialog box, type the CD-ROM drive letter followed by the SETUP command (for example, D:\SETUP.EXE)

If installing from the electronic download, download and unzip to a temporary folder. Navigate to that folder and double-click setup.exe. The InstallShield Wizard will begin.

1. Installation Options

Select the **Install SQL Server Management Studio Express** option and click **Next** to continue.



2. License Agreement

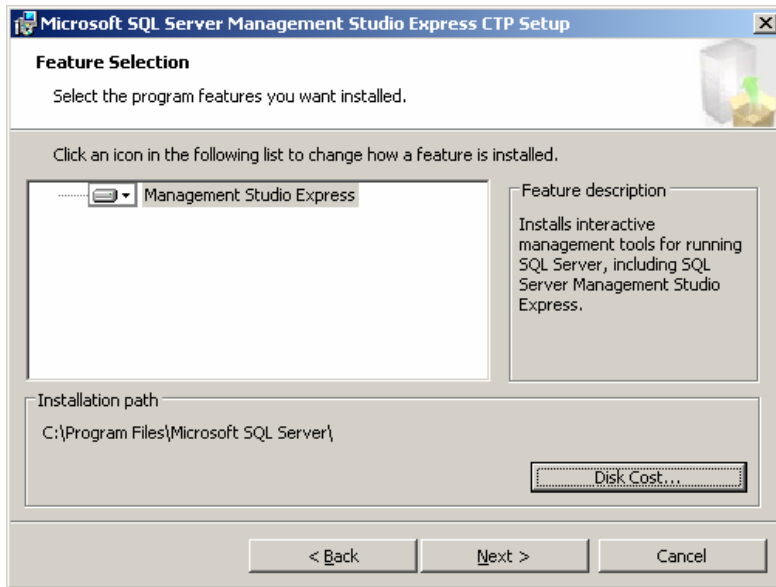
Read the license agreement and select the check box to accept the licensing terms. Click **Next** to continue.

3. Registration Information

Enter the registration information and click **Next** to continue.

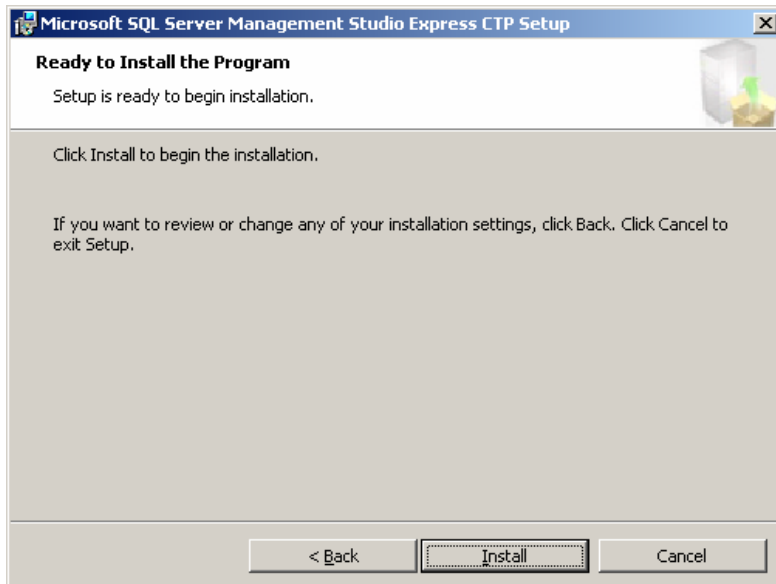
4. Feature Selection

Management Studio Express is selected by default. **Installation path** displays where the existing SQL Server 2005 Express is installed. The **Disk Cost** button will display current disk usage as well as how much disk space is needed to install your chosen features. Click **Next** to continue.



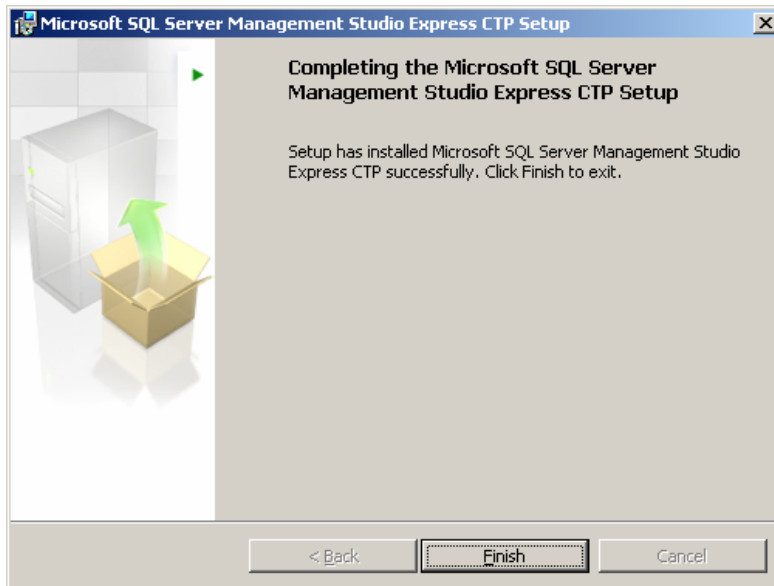
5. Ready to Install the Program

Click the **Install** button to begin installing Microsoft SQL Server Management Studio Express.



6. Setup Complete.

Click the **Finish** button to close the Setup dialog box.



A shortcut for Microsoft SQL Server Management Studio will be available from the Windows Start>Programs menu under Microsoft SQL Server 2005.