



ENOVIA SmarTeam

Microsoft® SQL Server 2005

Installation Guide

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Chapter 1: Introduction

Overview

This document outlines the procedures required to install Microsoft® SQL Server 2005 for the SmarTeam environment. In this document Microsoft® SQL Server 2005 will be referred to as MS SQL Server 2005.

This guide assumes knowledge and experience in installing MS SQL Server 2005, including the installation of previous MS SQL Server versions. The main purpose of this document is to highlight the installation procedure and the components of an MS SQL Server 2005 database that are required by SmarTeam related applications.

Software Location

The MS SQL Server 2005 software must be obtained from Microsoft, see your System Administrator for details.

Related Documentation

The following documents are referred to in this guide. All the documents are available on the SmarTeam Documentation CD unless specified otherwise.

Name of Document	Remarks
Hardware and Software Requirements	Details the hardware and software required for a successful installation

Internet Site

You are highly recommended to frequently visit our website for the latest updates and plug-in products, including the latest Service Packs, Program Directory (Release Notes), Hotfixes and technical support at <http://support.smarteam.com/>.

In addition, you will also be able to view any installation known issues.

Chapter 2: Installation Checklist

This checklist gives a detailed list of all the steps that need to be performed and the order in which the products need to be installed. You must complete all the stages in this checklist to successfully install Microsoft SQL Server 2005.

*Requirement: M = Mandatory, O = Optional

<input type="checkbox"/>	Item	M/O*	Reference
Stage 1: Pre-Installation			
<input type="checkbox"/>	Verify that your Hardware & Software meet the requirements	M	Hardware and Software Requirements Guide Hardware and Software Requirements
Stage 2: Installation Process			
<input type="checkbox"/>	Run Microsoft SQL Server 2005 installation	M	Running the Installation
Stage 3: Post Installation			
<input type="checkbox"/>	No SMARTEAM specific requirements		

Chapter 3: System Requirements

Hardware and Software Requirements

Recommending system requirements requires that you determine the size of the specific customer configuration. Contact the SmarTeam support team to obtain the most recent metrics test results and recommendations.

This section describes the system requirements for this Database Installation. These requirements are in addition to those defined in the Hardware and Software Requirements Guide.

Note: Microsoft SQL Server Edition requires that Microsoft Windows 3.1 Installer be installed first.

SmarTeam recommends the following Microsoft SQL Server 2005 Edition system requirements:

SQL Server 2005 Express Edition System Requirements - 32-bit	
Processor	600 MHz Pentium III or compatible, 1 GHz or faster processor recommended.
Operating System	<ul style="list-style-type: none">• Microsoft Windows XP SP2 or later• Microsoft Windows 2000 Professional SP4• Microsoft Windows 2000 Server SP4 or later• Microsoft Windows Server 2003 Standard, Enterprise, or Datacenter Editions SP1 or later• Microsoft Windows Server 2003 Web Edition SP1• Microsoft Windows Small Business Server 2003 SP1 or later
Memory	192 MB of RAM or more, 512 MB or more recommended
Hard Disk	350 MB
CD-ROM	CD-ROM or DVD-ROM Drive
Display	Super VGA (1,024x768) or higher resolution
Other Devices	Mouse
Internet Browser	Microsoft Internet Explorer 6.0 SP1 or later

SQL Server 2005 Workgroup Edition System Requirements - 32-bit	
Processor	600 MHz Pentium III or compatible, 1 GHz or faster processor recommended.
Operating System	<ul style="list-style-type: none"> • Microsoft Windows XP SP2 or later • Microsoft Windows 2000 Professional SP4 • Microsoft Windows 2000 Server SP4 or later • Microsoft Windows Server 2003 Standard, Enterprise, or Datacenter Editions SP1 or later • Microsoft Windows Small Business Server 2003 SP1 or later
Memory	512 MB of RAM or more, 1 GB or more recommended
Hard Disk	350 MB
CD-ROM	CD-ROM or DVD-ROM Drive
Display	Super VGA (1,024x768) or higher resolution
Other Devices	Mouse
Internet Browser	Microsoft Internet Explorer 6.0 SP1 or later

SQL Server 2005 Standard Edition System Requirements			
	32-bit	X64	Itanium
Processor	600 MHz Pentium III or compatible, 1 GHz or faster processor recommended	1 GHz AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM 64T support Processor.	1 GHz Itanium or faster processor
Operating System	<ul style="list-style-type: none"> • Microsoft Windows XP SP2 or later • Microsoft Windows 2000 Professional SP4 • Microsoft Windows 2000 Server SP4 or later • Microsoft Windows Server 2003 Standard, Enterprise, or Datacenter Editions SP1 or later • Microsoft Windows Small Business Server 2003 SP1 or later 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 Standard x64, Enterprise x64, or Datacenter Edition x64 SP1 or later • Microsoft Windows XP Professional x64 or later 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 Enterprise or Datacenter Edition for Itanium - based systems SP1 or later
Memory	512 MB of RAM or more, 1 GB or more recommended	512 MB of RAM or more, 1 GB or more recommended	512 MB of RAM or more, 1 GB or more recommended

SQL Server 2005 Standard Edition System Requirements			
Hard Disk	350 MB	350 MB	350 MB
CD-ROM	CD-ROM or DVD-ROM Drive	CD-ROM or DVD-ROM Drive	CD-ROM or DVD-ROM Drive
Display	Super VGA (1,024x768) or higher resolution	Super VGA (1,024x768) or higher resolution	Super VGA (1,024x768) or higher resolution
Other Devices	Mouse	Mouse	Mouse
Internet Browser	Microsoft Internet Explorer 6.0 SP1 or later	Microsoft Internet Explorer 6.0 SP1 or later	Microsoft Internet Explorer 6.0 SP1 or later

SQL Server 2005 Enterprise Edition System Requirements			
	32-bit	X64	Itanium
Processor	600 MHz Pentium III or compatible, 1 GHz or faster processor recommended	1 GHz AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM 64T support processor.	1 GHz Itanium or faster processor
Operating System	<ul style="list-style-type: none"> • Microsoft Windows XP SP2 or later • Microsoft Windows 2000 Professional SP4 • Microsoft Windows 2000 Server SP4 or later • Microsoft Windows Server 2003 Standard, Enterprise, or Datacenter Editions SP1 or later • Microsoft Windows Small Business Server 2003 SP1 or later 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 Standard x64, Enterprise x64, or Datacenter Edition x64 SP1 or later • Microsoft Windows XP Professional x64 or later 	<ul style="list-style-type: none"> • Microsoft Windows Server 2003 Enterprise or Datacenter Edition for Itanium - based systems SP1 or later
Memory	512 MB of RAM or more, 1 GB or more recommended	512 MB of RAM or more, 1 GB or more recommended	512 MB of RAM or more, 1 GB or more recommended
Hard Disk	350 MB	350 MB	350 MB
CD-ROM	CD-ROM or DVD-ROM Drive	CD-ROM or DVD-ROM Drive	CD-ROM or DVD-ROM Drive

SQL Server 2005 Enterprise Edition System Requirements			
Display	Super VGA (1,024x768) or higher resolution	Super VGA (1,024x768) or higher resolution	Super VGA (1,024x768) or higher resolution
Other Devices	Mouse	Mouse	Mouse
Internet Browser	Microsoft Internet Explorer 6.0 SP1 or later	Microsoft Internet Explorer 6.0 SP1 or later	Microsoft Internet Explorer 6.0 SP1 or later

Note: Even though Microsoft® SQL Server 2005 software functions with the minimum system requirements, we highly recommend that you use a computer with higher than the minimum requirements.

Chapter 4: Microsoft SQL Server 2005 Installation Process

Overview

This chapter provides a step-by-step description of the installation process for installing all editions of the MS SQL Server 2005 used with SmarTeam.

Note: If case-sensitivity authentication is warranted, then the database installation must be done with case-sensitive collation.

Buttons

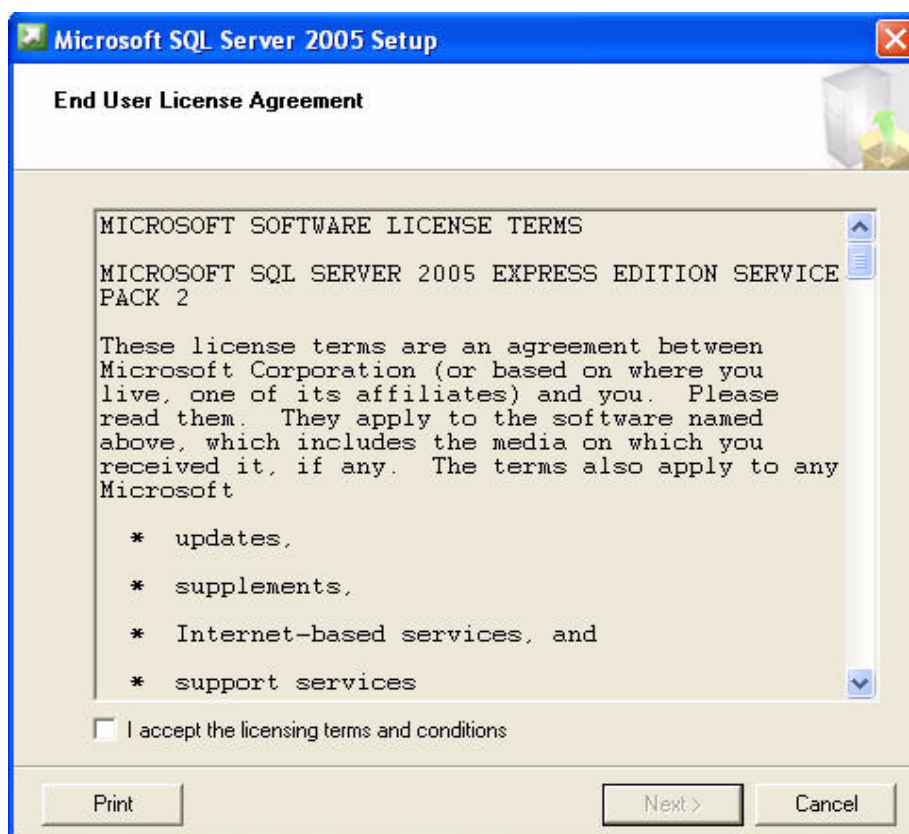
The following buttons are available at the bottom of the installation windows:

- **Next:** Confirms your selection in the current window and proceeds to the next window.
- **Back:** Enables you to return to the previous window.
- **Cancel:** Enables you to abort the installation setup program without installing MS SQL Server 2005.

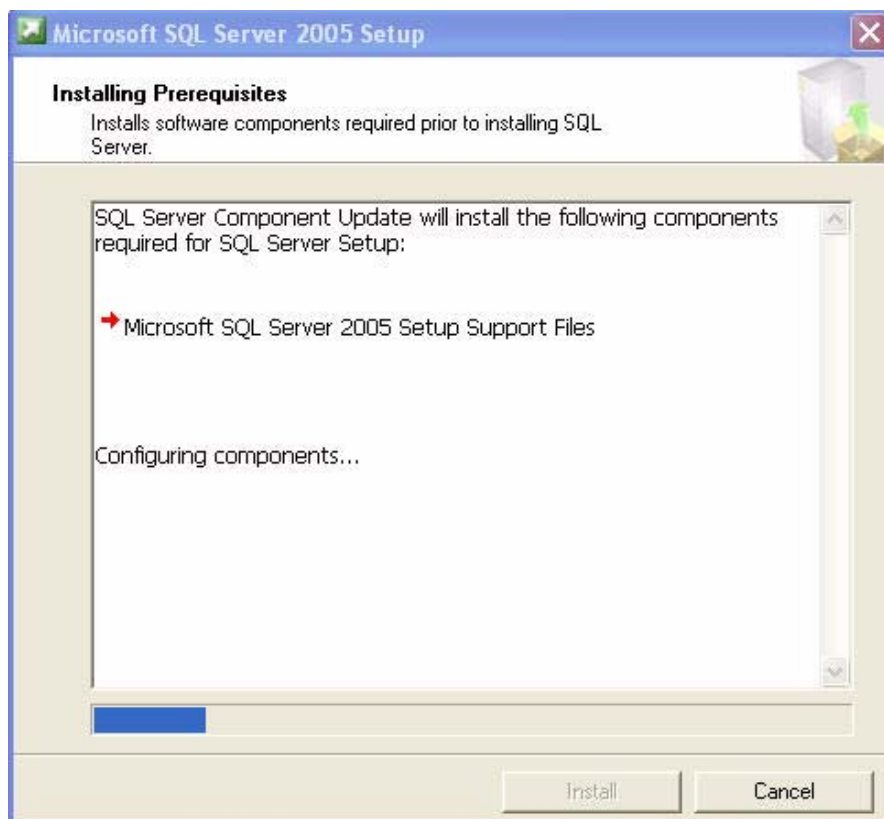
Running the Installation

To install Microsoft® SQL Server 2005:

- 1** In the directory that was downloaded from the Microsoft®, click **Setup**.
- 2** In the License Agreement window scroll-down to read the License Agreement and click **Yes**.



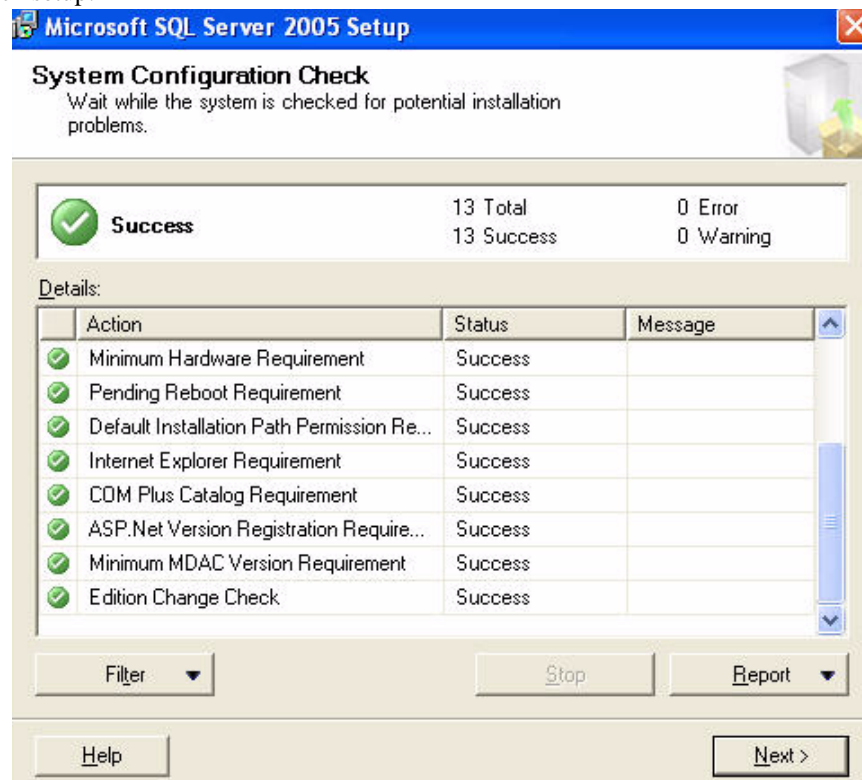
- 3 In the SQL Server Component Update window, click **Install**.



- 4 In the Welcome window, click **Next**.

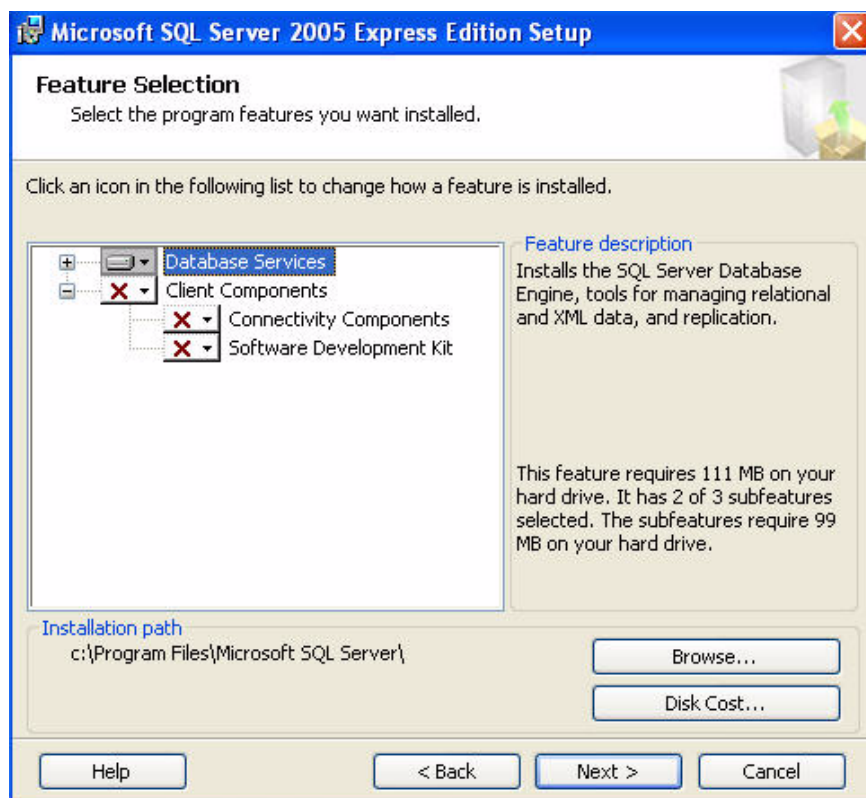


- 5 In the System Configuration Check window the computer is scanned for conditions that may block setup:

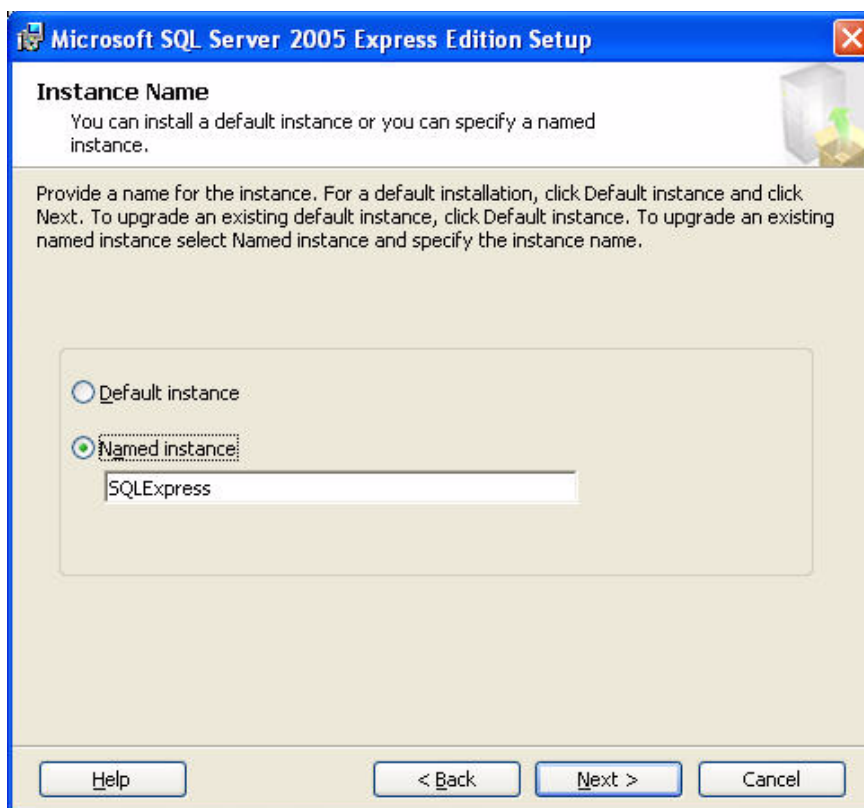


- For information about the Configuration Check Items Select **Help**.

- To interrupt a scan select **Stop**.
 - To view a Report of SCC results, select **Report** and then select an option from the drop down list.
- 6 In the Registration Information window,
- Enter your SmarTeam user name and your company name
 - Clear the checkbox to enable Advanced configuration options
 - Click **Next**
- 7 In the Feature Selection window scroll through the Components/Sub-components list to determine if you need all that are selected:
- Select any Components/Sub-components you need that are not selected
 - Clear any Components/Sub-components you do not need
 - a In the Feature window, choose the program features using the drop-down box.
 - b To install components in a custom directory, select the feature and click **Browse**.
 - c To view the amount of disk space required to install selected option, click **Disk Cost**.
 - Click **Next**



- 8 In the Instance Name window:
- Select **Default Instance** and setup upgrades and provides additional components to install.
 - Select **Named Instance** and enter a unique instance name.
 - Click **Next**



9 In the Service Account window choose either:

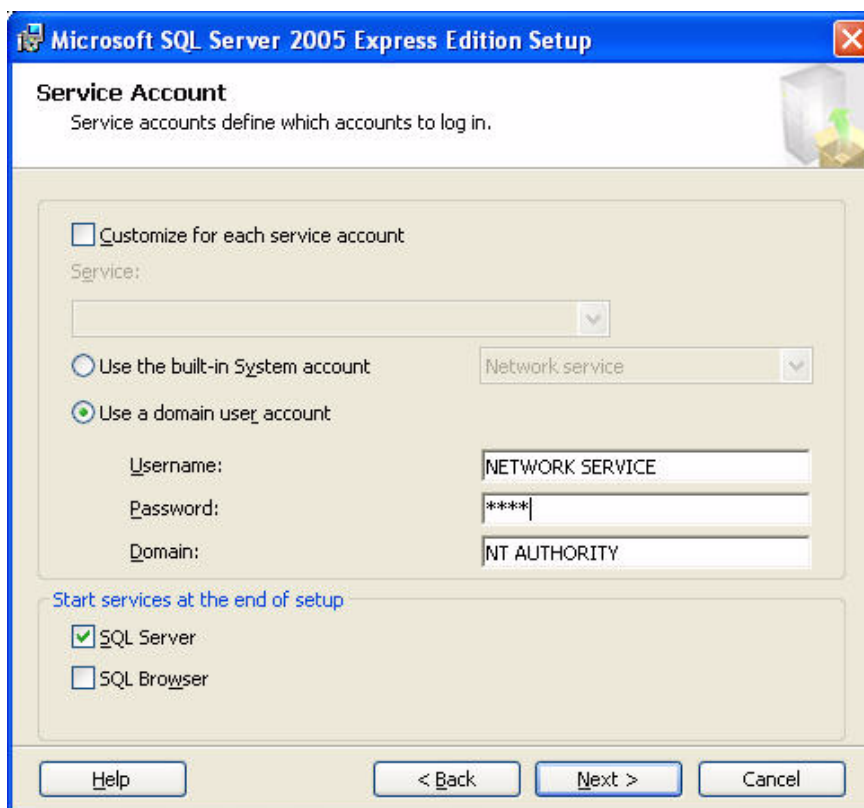
- **Customize for each service account**

- **Use a domain user account**

- If required, enter a username, password and domain name (optional)

The user name must be valid local user and the password a valid password for the specified domain. Entering this information sets the user name of who is authorized to run the MS SQL Server 2005 operating system service.

- **Click Next**



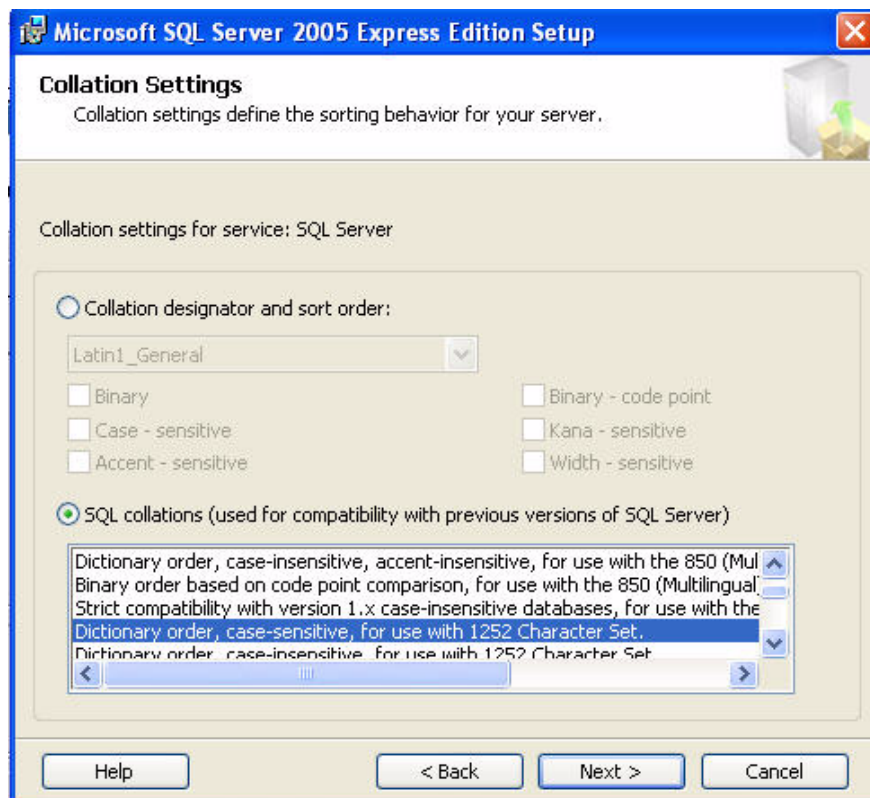
10 In the Authentication Mode window:

- Select **Mixed Mode**
- In the **Specify the sa login password** field:
 - If required, enter password for **sa** (optional)
Entering a password is optional. If used, you can create a password with no specified requirements or limitations.
 - Enter the same password as in the previous field to confirm the password
- Click **Next**



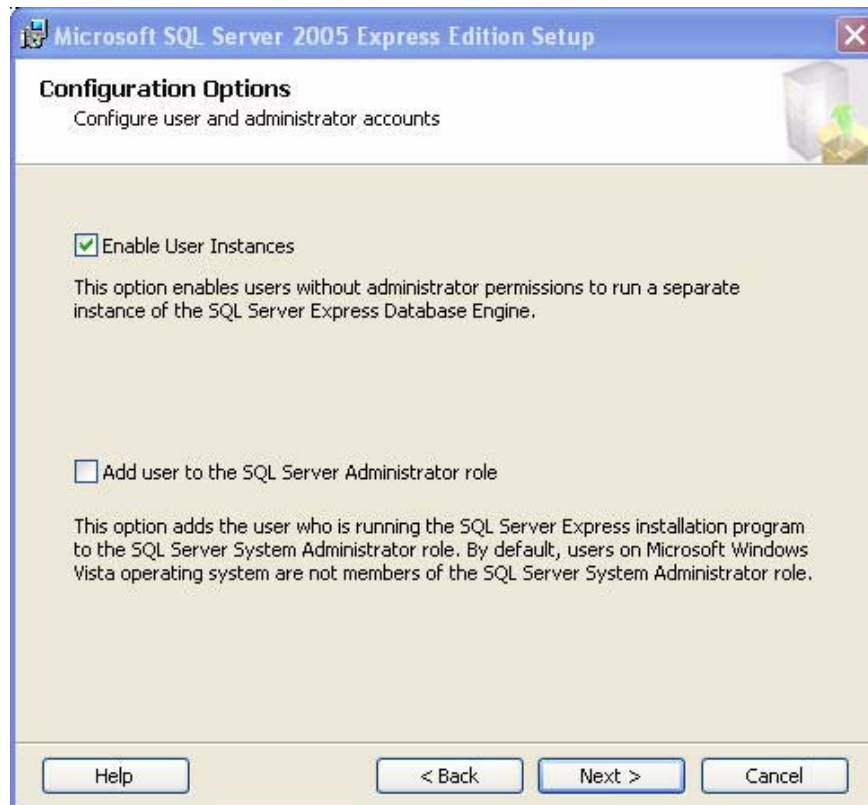
11 In the Collation Settings window:

- Select **SQL Collations**
- Select **Dictionary order case-sensitive for use with 1252 Character Set** from the list
- Click **Next**



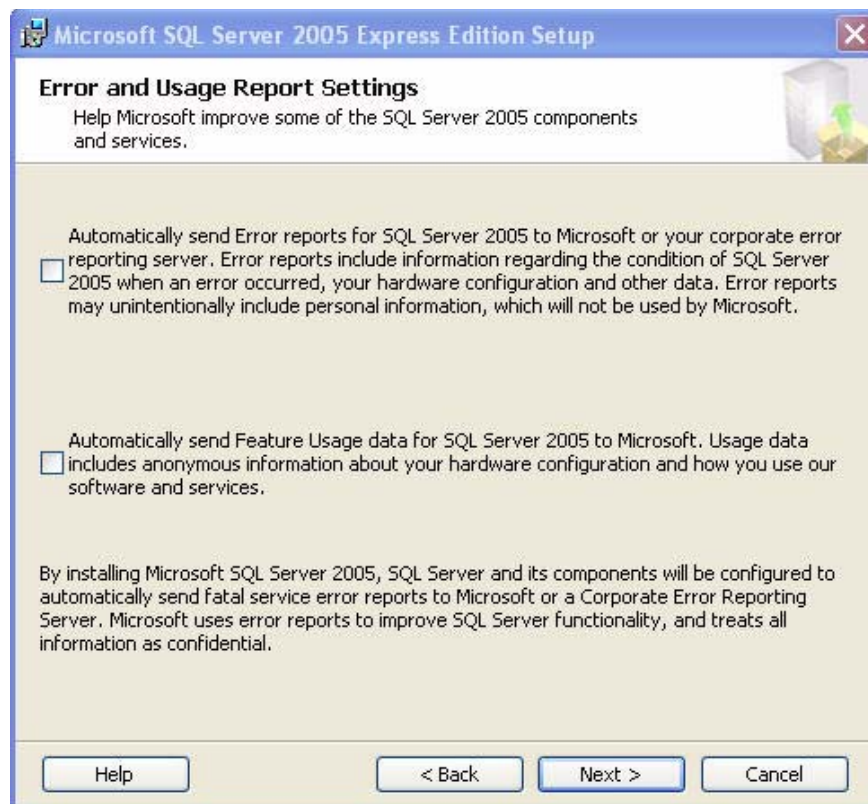
12 In the Configuration Options dialog:

- Select **Enable User Instances**, to enable a user without Administrator permissions to run a separate instance of SQL Server Express Database Engine
- Select **Add user the SQL Server Administrator role**, to enable the user running the SQL Server Express installation to be added to the SQL System Administrator role.



13 In the Error Reporting window:

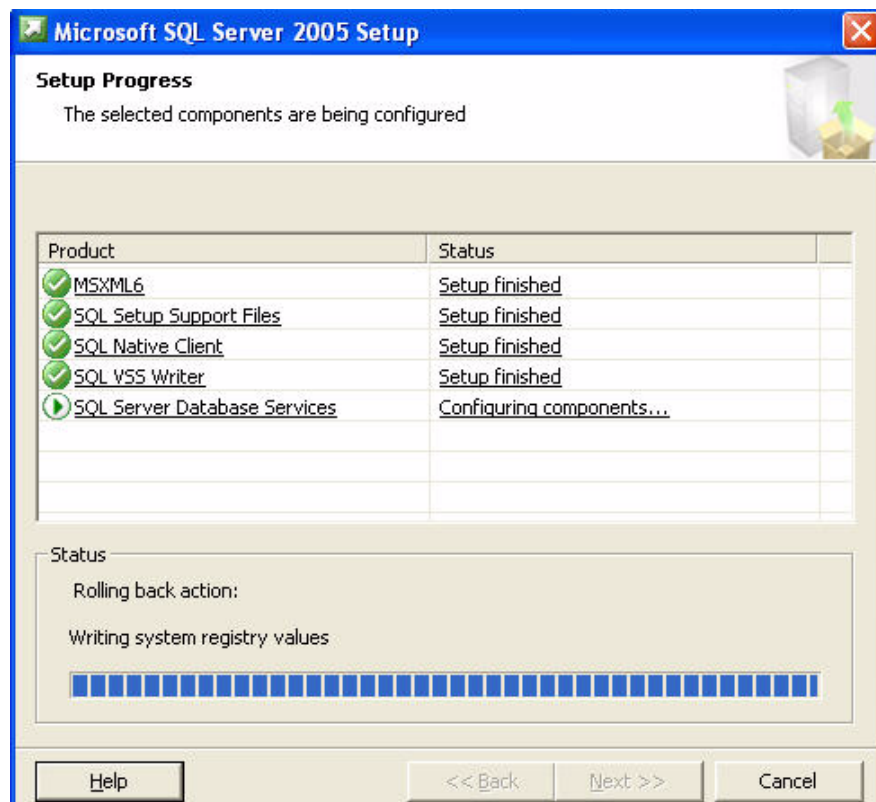
- Clear the Error Reporting feature
- Click **Next**



14 In the Ready to Install window:

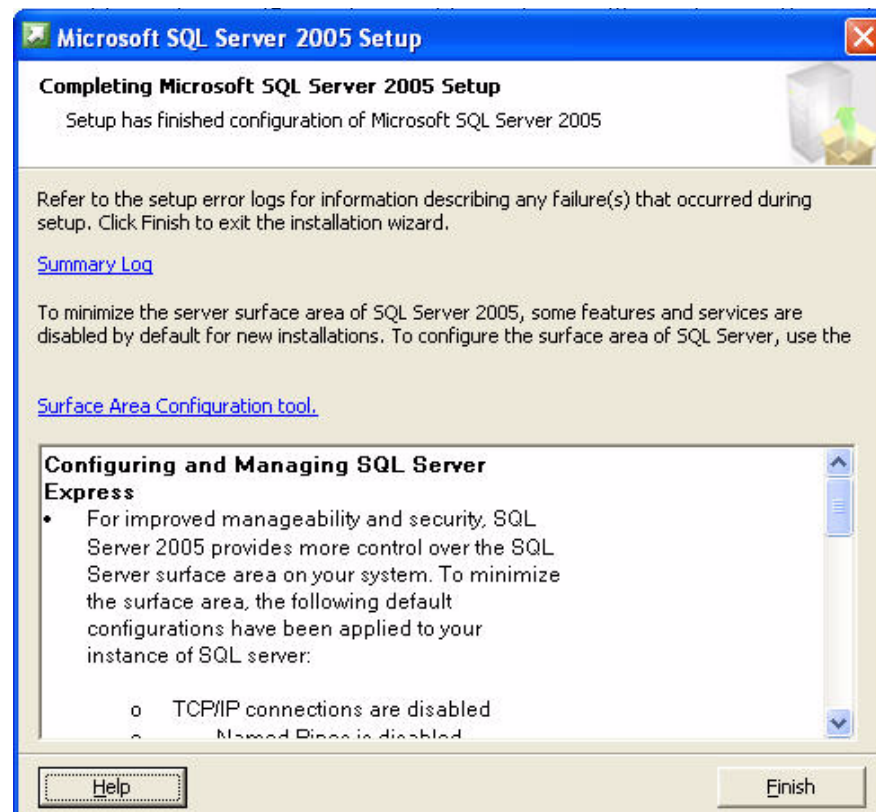
- Review the features and components
- Click Install

15 In the Installation Progress window the status can be viewed.



16 In the Completing MS SQL Server Installation window

- Click **Finish**



Note: After installing the Microsoft© SQL Server 2005 Administrator (with DBA privileges) run the following statements to allow a multi-user environment.

```
ALTER DATABASE [DB NAME] SET READ_COMMITTED_SNAPSHOT ON;
```

```
ALTER DATABASE [DB NAME] SET ALLOW_SNAPSHOT_ISOLATION ON;
```