

Download and Installation of MS SQL Server

To use MS SQL Server and its database, one needs to download the server software and server management software. Fortunately, Microsoft provides a free version of SQL Server – MS SQL Server 2005 Express, which has the full functionality of the standard MS SQL Server.

One needs complete the following steps to finish this downloading and installation.

1. Downloading

Go to Web site: <http://msdn.microsoft.com/vstudio/express/sql/download/>

Before you can install any member of the SQL Server 2005 Express Edition family, you ***must*** install the **.NET Framework 2.0**. **But you do not need to do this if you find a line of text with red color: You have the .NET Framework 2.0 installed.**

Visual Studio Home
Visual Studio Express
Visual Web Developer
Visual Basic
Visual C#
Visual C++
Visual J#
SQL Server Express

Support
Registration Benefits
Coding4Fun

Microsoft Replay
Over 400 new features.
The difference is obvious.
Visual Studio 2005
See what's new

Microsoft
SQL Server 2005 Express Edition

Download Now!

- Download the Microsoft .NET Framework 2.0**
Before you install any member of the SQL Server 2005 Express Edition family, you ***must*** install the .NET Framework 2.0.
You have the .NET Framework 2.0 installed
- Uninstall beta versions**
Before you install any members of the SQL Server 2005 Express Edition family, you ***must*** uninstall any previous Beta, CTP or Tech Preview versions of SQL Server 2005, Visual Studio 2005, and the .NET Framework 2.0.
- Download and install**
There are various downloads available in the SQL Server 2005 Express Edition family to allow you to customize your installation. Please see the [Product Comparison](#) page for details on what each package contains.

SQL Server 2005 Express Edition SP1 Not sure what you need and want to get started quickly? Download the SQL Server Express database engine and Management Studio Express. Install Microsoft SQL Server 2005	SQL Server 2005 Express Edition with Advanced Services SP1 Do you want SQL Server Express with all the additional development tools? Download SQL Server Express with Advanced Services and the SQL Server Express Toolkit.
--	---

Register SQL Server 2005 Express Edition
Register SQL Server 2005 Express Edition and you will receive additional benefits such as royalty-free images from Corbis. Learn more about registration benefits.

System Requirements
* For information on system requirements for SQL Server Express products, visit [Readmes](#)

Done, but with errors on page. Internet

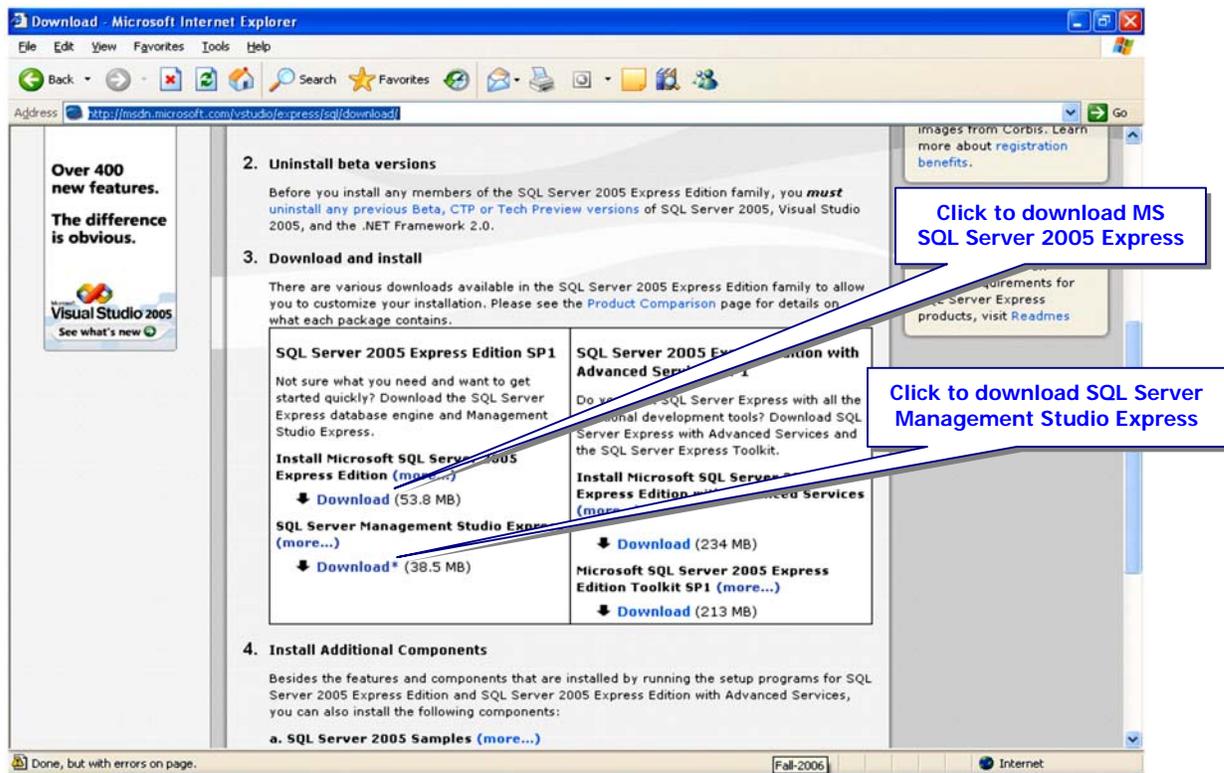
To install the .NET Framework 2.0, click the blue-highlighted line **install the .NET Framework 2.0**, and then follow the instructions on the sequence dialog boxes to do this.

Click **Download the .NET Framework 2.0 Today!** and select **Download x86 version** under the .NET Framework Version 2.0 Redistributable Package tab, then click the **Download** button to begin to downloading.

Click the **Run** or **Open** button as the File Download dialog appears. Select the **Repair** item if a message-box appears to ask whether you want to uninstall or repair. You may need to re-start your computer to make this repair effective.

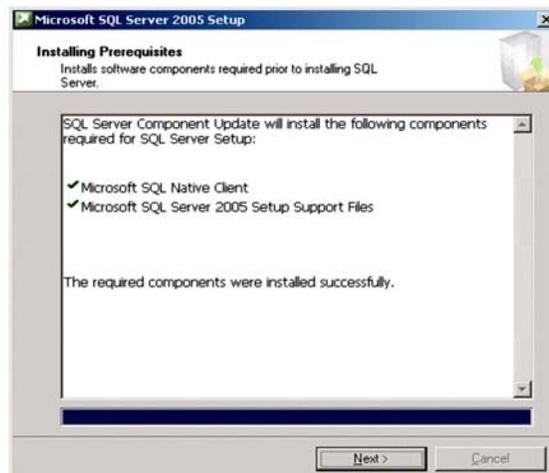
Next you need to download **MS SQL Server 2005 Express Edition** and **SQL Server Management Studio Express**, respectively. Click the associated items shown in the next figure to complete these downloadings.

Select the **Run** or **Open** button when the File Download dialog appears.



When you perform downloading and running these two files, follow the instructions displayed on each dialog box to finish these installations.

A Setup dialog box will be shown when your SQL Server 2005 installation is done.



Click the **Next** button to complete this installation.

When you install the **SQL Server Management Studio Express**, you may need to first install another related file named **MSXML6**. Just click the **Finish** button to exit the current installation.

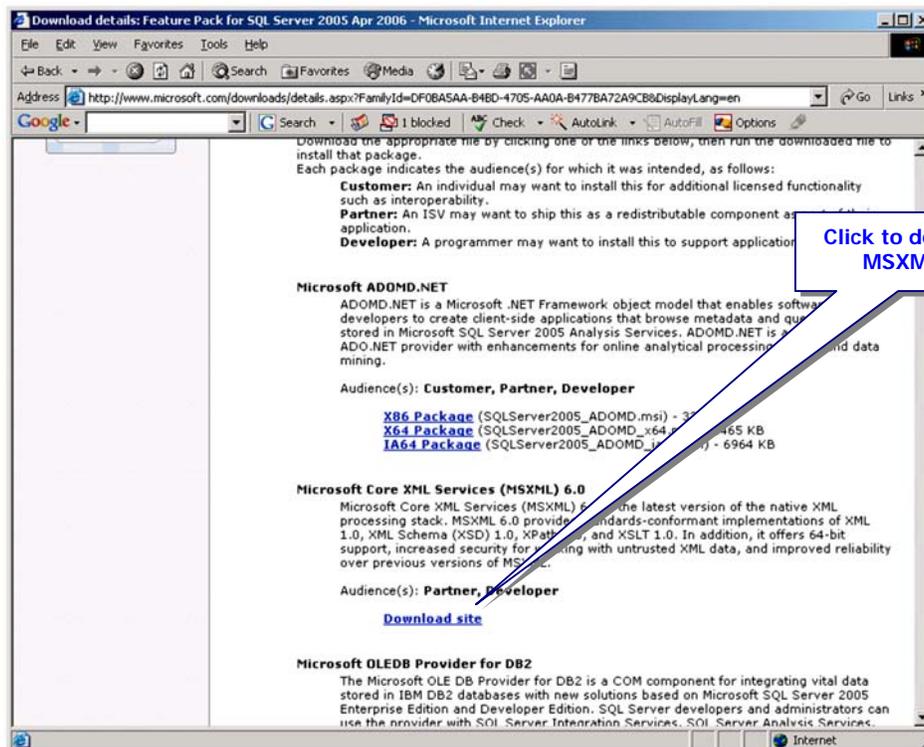


Copy the URL displayed on the above dialog, and paste it on the Address box on your Internet Browser.

<http://go.microsoft.com/fwlink/?LinkId=54583>

Microsoft Core XML Services (MSXML) 6.0 is the latest version of the native XML processing stack. MSXML 6.0 provides standards-conformant implementations of XML 1.0, XML Schema (XSD) 1.0, XPath 1.0, and XSLT 1.0. In addition, it offers 64-bit support, increased security for working with untrusted XML data, and improved reliability over previous versions of MSXML.

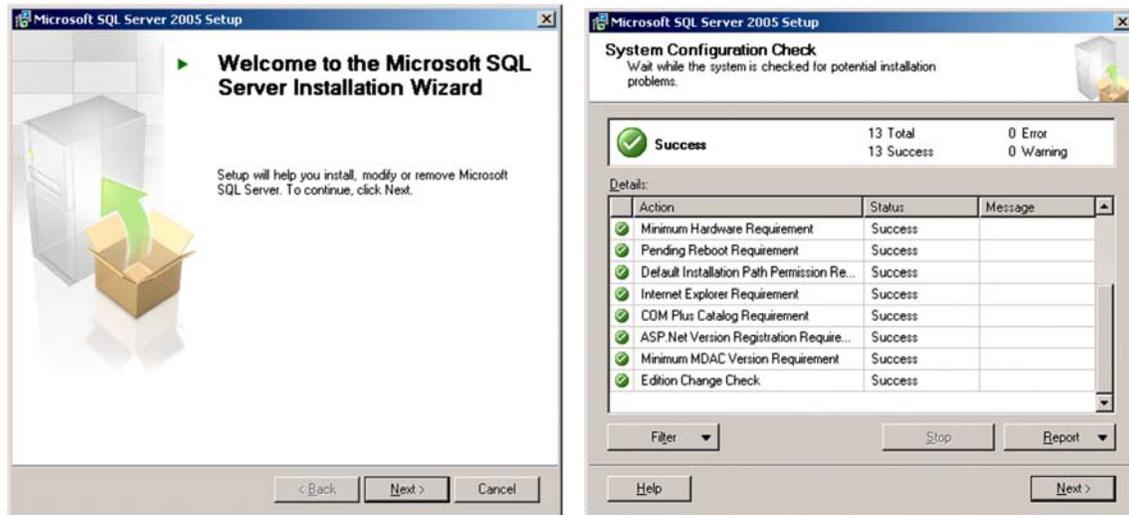
Click the **Download site** that is under the **Microsoft Core XML Services (MSXML) 6.0** to begin your downloading.



2. Installation

When you complete this downloading, you can return the last site to continue to install the Microsoft SQL Server Express 2005. The installation dialog is displayed as shown below. Click the Next button to begin this installation.

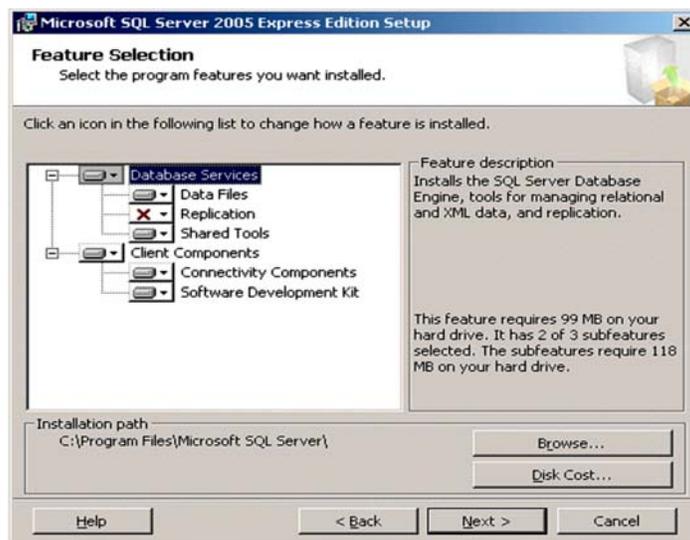
The first thing the installer needs to do is to check the configuration of your machine. A successful check dialog should be displayed if everything in your computer is correct, which is shown below.



Click the Next button to begin the installation.

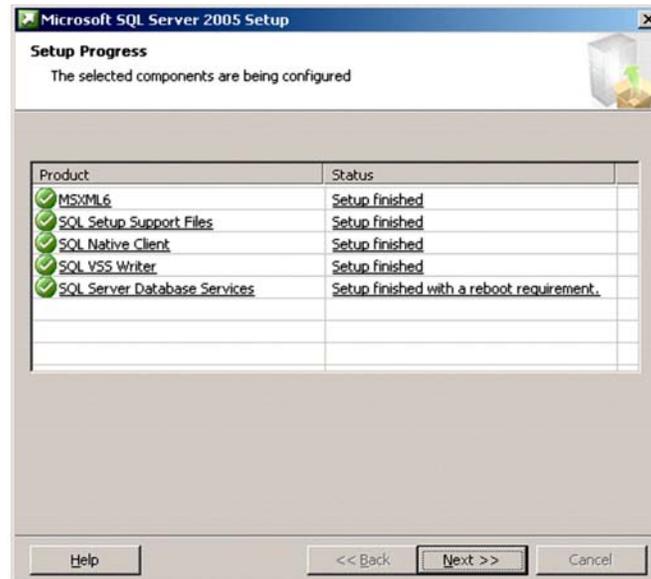
Choose a name for your computer and put your organization's name to the Company box. Click the Next button to continue.

Make sure that you select the Client Components and its sub-components as shown below. Then click Next button.



You can select the Named instance or the Default instance for your applications, but it is recommended to use the Named instance. Also you are recommended to select the Windows Authentication as the security mode. Of course you can select the SQL Server security mode if you like to use your username and password.

If everything is fine, your finished installation dialog should match one that is shown below. Click the Next and Finish button to complete this installation.



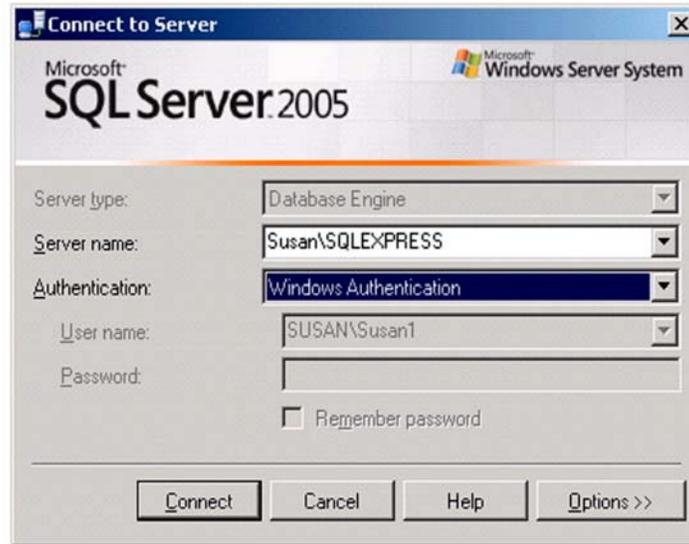
When you complete this downloading, you can return the last site to continue to download and install the **SQL Server Management Studio Express**. When this file is done, you can download and install other files or package if you like.

One important file you need to make sure that you have downloaded and installed on your computer is [sqlncli.msi](#), which is to help you to develop your SQL Server database client program.

3. Configuration and Connection

When you finish the installation of SQL Server Management Studio Express, you need to configure it to connect with your SQL server when you start to use the SQL Server 2005 Database. Exactly, the above jobs you did are to install both SQL Server 2005 and SQL 2005 Client on your laptop computer, so your laptop contains both SQL server and SQL client. The purpose of doing this is to allow your guys to learn how to design and build a real database using the SQL Server, and to communicate with it by using a client.

To configure the Management Studio Express, go to **Start|All Programs|Microsoft SQL Server 2005**, then select the **SQL Server Management Studio Express**. A connection dialog will be opened as shown below:



In the Server Name box, it should be your computer name followed by the SQL Server Express name, which should be **SQLEXPRESS**. Select the **Windows Authentication** method from the Authentication box to use the Windows NT default security engine. Click the **Connect** button to connect your client with your server together.

In this example, the computer name is Susan.

After you setup a connection between your client and your SQL Server, you can create, access and manipulate the database in your server. Refer to section 2.10 in Chapter 2 to build the user-defined database in SQL Server 2005 environment.