

Installing SQL Server Express for use with StressTester™

You can install StressTester™ 4.1 against both the free (Express) and licensed versions of SQL Server. Before installing StressTester™, you need to have a database system (DBMS) listening on a TCP/IP port. These instructions will tell you how to install SQL Server 2005 Express edition (SQL Express) into a state appropriate to use with StressTester™ 4.1.

Pre-Requisites

SQL Server 2005 Express edition requires Windows XP with SP2 or Windows 2003 with SP1. Additionally it requires .NET Framework 2.0 or later and Windows Installer 3.1. Both of these as well as the service packs are available from the Windows Update centre.

Getting the Software

SQL Server 2005 Express edition is available from:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=31711d5d-725c-4afa-9d65-e4465cdf1e7>

The link is for the version of software including service pack 2, which is the latest version at the time of writing these instructions. If a more recent version has been released by the time you follow these instructions, please check with Reflective Solutions as to which version is recommended.

Installing the software

Run the executable downloaded. It will extract and execute.

Once you have agreed to the license agreement it will commence with initial installation of components.

After that has completed, configuration will commence. A check will be performed on the system. If anything fails, please consult Microsoft documentation for how to rectify issues.

The first input screen asks for name and company. Fill or leave these as appropriate. Please uncheck the box at the bottom, so that advanced options will be shown.

In the module section tree, open up both of the components by clicking on the '+' symbol to the left. By right clicking on the sub components, make sure that "Data Files", "Shared Tools" and "Connectivity Components" are set to be installed and the others not set. By default the software will install to C:\Program Files\Microsoft SQL Server. Change this if desired.

Unless you are running another copy of SQL Express, installing to the Named Instance "SQLEXPRESS" is appropriate.

The next screen is for the configuration of the service. Unless system restrictions in your environment prevent it, we recommend the defaults on this screen.

We recommend configuring SQL Express to have a local administration password, rather than integrating with your local account. On the authentication screen, you should change the mode to

“mixed mode”. It will force the selection of a semi-secure password, “password” is not permitted. You will need to remember this as you will be prompted for it during StressTester™ installation.

The final three configuration screens can be left with their standard values. Once you press the “Install” button, it should only take a couple of minutes on a standard desktop machine.

Post-installation Configuration

In the Start Menu, go to Microsoft SQL Server 2005 > Configuration Tools > SQL Server Configuration Manager.

In the left menu panel, open the “SQL Server 2005 Network Configuration” and select “Protocols for SQLEXPRESS”. The right panel should now list the different protocol options.

Click on TCP/IP and a configuration screen should appear.

TCP/IP should be disabled on installation. Change enabled to “Yes”. Now click on the “IP Address” tab. In the bottom two fields, delete the value from “TCP Dynamic Port” and set a value for “TCP Port”. The default for SQL Server is 1433, which can be used on any system not already running a version of the SQL Server application.

Apply the changes. You will be informed that they will not change until the system is restarted. This can be done by selecting “SQL Server 2005 Services” in the left panel, right clicking on “SQL Server (SQLEXPRESS)” and selecting “Restart”. The name of the service will be different if you changed the Named instance value during installation.

You can now install StressTester™ following the instructions.