

Description: Guide to installing SQL Server 2008 Express

OS Requirement: Windows Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64

General Requirement: General knowledge about software installation and SQL Servers

Introduction

Installing Microsoft SQL Server 2008 Express can be an intimidating task. SQL Server 2008 R2 is the latest of SQL servers from Microsoft at the time of ICONICS release of GENESIS64 v10.6. Because you will need the SQL server to create your configuration database, you must have some sort of MS SQL server installed on the system during installation. Although ICONICS supports SQL 2005, SQL 2005 Express, SQL 2008, SQL 2008 R2, SQL 2008 Express and SQL 2008 R2 Express, the installation DVD contains the SQL Server 2008 R2 Express version only. This document walks you through the installation steps for SQL Server 2008 Express.

Installing SQL Server 2008 Express

When you are installing an ICONICS product (such as GENESIS64 or Hyper Historian) that requires the SQL Server, on the installation splash screen you can always find a link that says Install SQL Server Express. Clicking this link launches the MS SQL Server 2008 Installation. You can also download and install SQL Server Express from Microsoft at <http://www.microsoft.com/express/database/>.

1. Once you launch the installation, you should see a screen similar to the one in Figure 1.



Figure 1 - SQL Server Installation Center

2. Click **Installation** from the left panel and click the first item on the right, called **New SQL Server stand-alone installation or add feature to an existing installation**.
3. If you get an error as shown in Figure 2, simply click OK to acknowledge it.

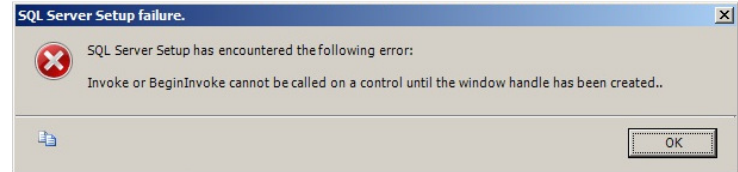


Figure 2 - SQL Server Setup Failure

4. You should now see the SQL Server Setup Support Rules dialog as shown in. Click OK to continue the installation.

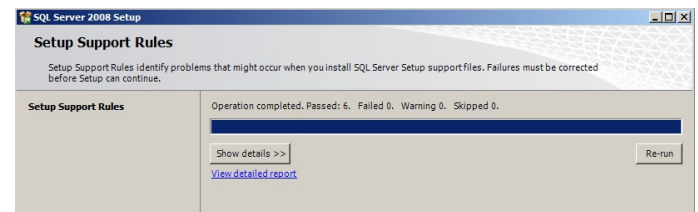


Figure 3 - SQL Setup Support Rules

5. You will see a product key dialog. Everything in this dialog should be grayed-out because the Express edition is free. Simply click on "Next >" to continue.
6. The next dialog shows the license agreement. Read through the license and check the "I accept the license terms" option at the bottom and click on "Next >" to continue. If you do not accept the license, you will not be able to continue.
7. The SQL Server Setup Support Files dialog should appear. Click on "Install" at the bottom of the dialog to continue. A status bar at the bottom of this screen will show you the installation progress.
8. When the operations are complete, you will see a page similar to the one shown in Figure 4.

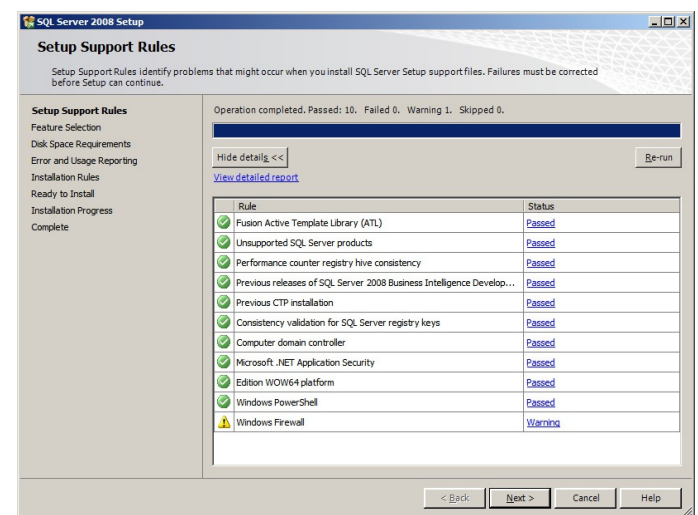


Figure 4 - Setup Support Rules Operations

9. If you receive any error or warning, you should read the details and try to resolve them. You can choose to leave the warning as-is and continue.
10. Click on “Next >” to continue the installation.
11. The Feature Selection dialog appears. Click on the “Select All” button near the bottom of the dialog to select all of the features. The default directories for the features display in the fields at the bottom; you can change them if you wish. Click on “Next >” to continue.

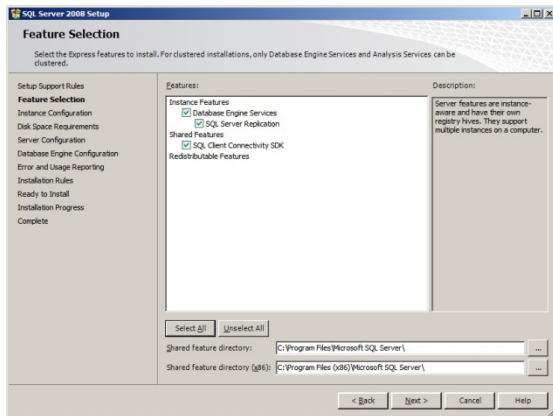
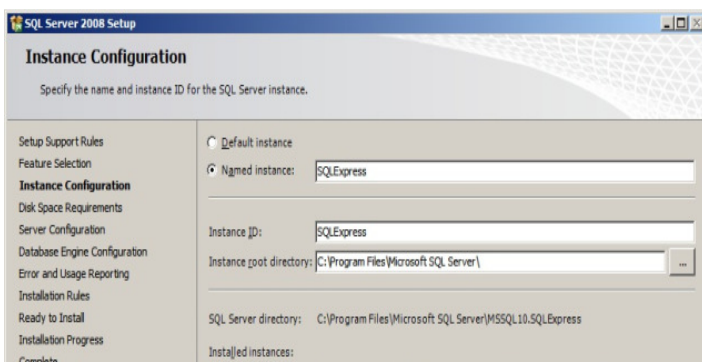


Figure 5 - Feature Selection

12. In the Instance Configuration dialog, leave the default using the Named instance SQLExpress. Click on “Next >” to continue.



13. In the Disk Space Requirements dialog, assuming there is enough disk space on the machine, click on “Next >”.

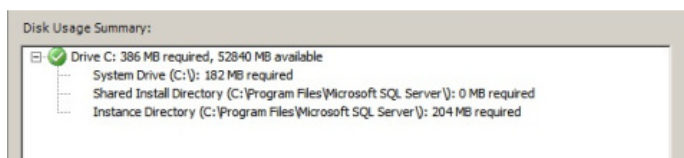


Figure 6 - Disk Space Requirements

14. In the Server Configuration dialog, in the Account Name column for the SQL Server Database Engine, ICONICS recommends that you choose NT AUTHORITY\SYSTEM. For the SQL Server Browser, select a Startup Type of Automatic. Click on “Next >” to continue.

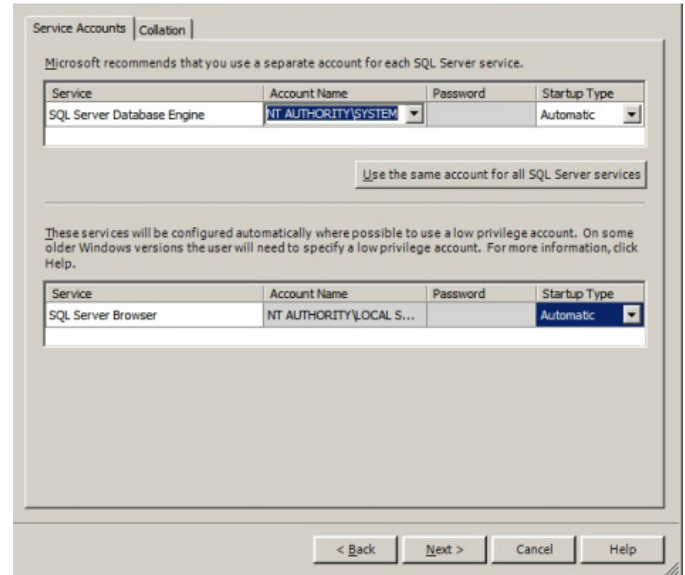


Figure 7 - Server Configuration

15. In the Database Engine Configuration dialog, choose the authentication mode you want to enable and enter any required information. Then click “Next >”.

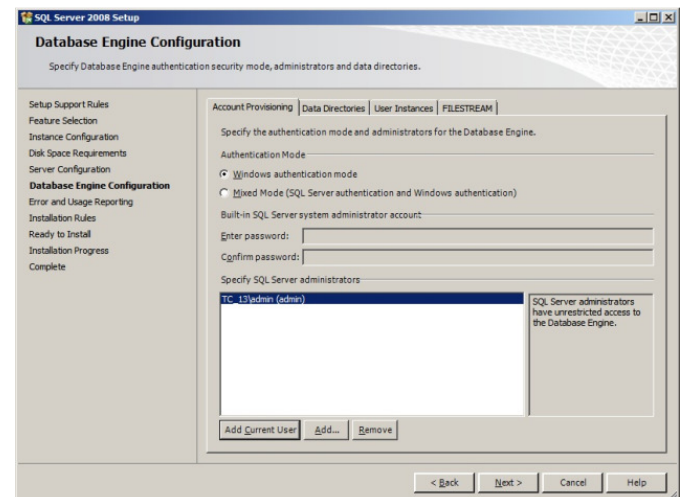


Figure 8 - Database Engine Configuration

NOTE: In general, using Windows Authentication mode is considered more secure. However, if you are in a networked environment without a domain and you must gain access to this SQL Server remotely, you may consider installing the “Mixed Mode” option. You can change the modes after installation.

16. In the Error and Usage Reporting dialog, optionally enter your choice of selections and click on “Next >”.

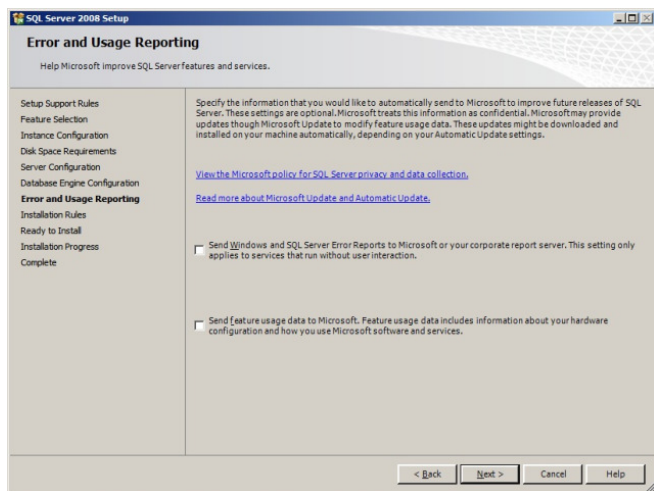


Figure 9 - Error and Usage Reporting

17. In the Installation Rules dialog, you can optional use the Show Details button and View Detailed Report hyperlink to see more information. Click on “Next >” to continue.

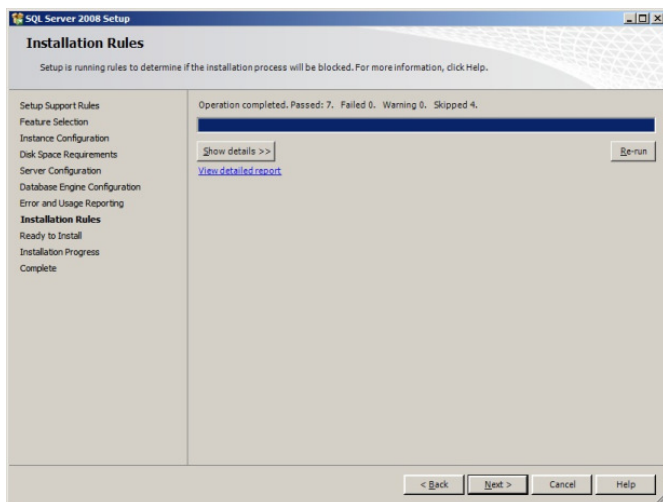


Figure 10 - Installation Rules

18. Review the Ready to Install dialog. To change any options, click on the “Back” button to return to prior screens and make changes, then click “Next” to return here. When you are satisfied with your selections, click “Install”.

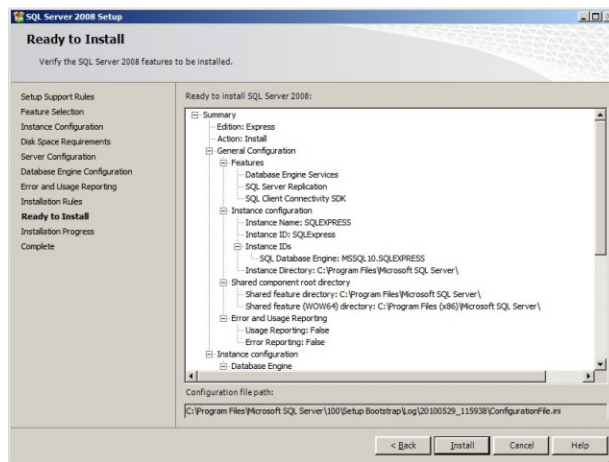


Figure 11 - Installation Summary

19. The Installation Progress dialog shows you the status of the installation.
20. When the installation is done, the Installation Progress dialog looks like the following example. Click on “Next >”.

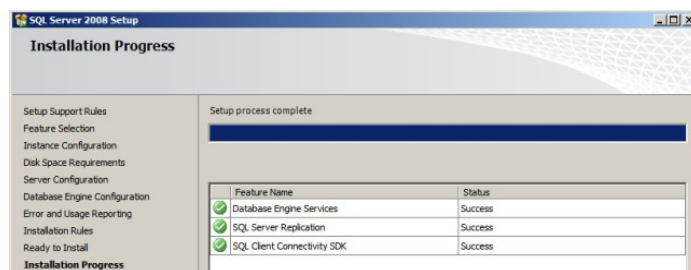


Figure 12 - Installation Progress: Complete

21. The Complete dialog appears; SQL Server Express is now installed. Review the information. When you are done, click on “Close” to exit the installation dialogs.

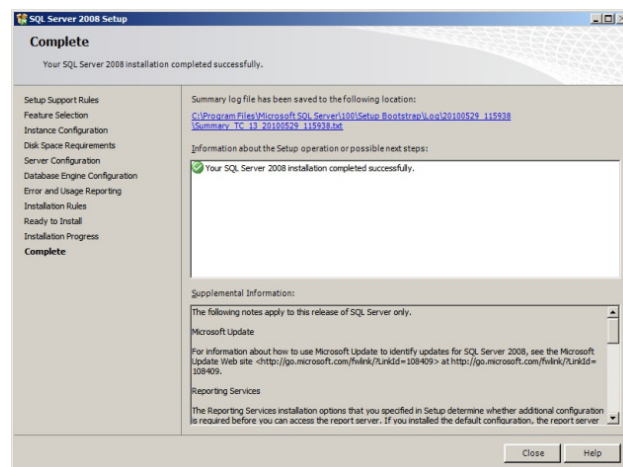


Figure 13 - Installation Complete



Installing SQL Server Manager

Once you have installed an instance of SQL Server, you may want to install the SQL Server Management Studio with it. The SQL Server Management Studio allows you to create, delete, and attach databases. We highly recommend that you install this utility.

You can install it by clicking on the “Install SQL Server Manager” link on the installation disk or you can download it from Microsoft at:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=08e52ac2-1d62-45f6-9a4a-4b76a8564a2b&displaylang=en>

Once the installation launches, you can follow the on-screen instructions to install the utility.