SQL Server 2008 Installation

TITLE:	SQL Server 2008 Installation
DATE:	01/10/2014
SUBJECT:	Installation of SQL Server 2008 for an Enterprise vault
ABSTRACT:	Installation guide for SQL Server 2008 for an Enterprise vault.
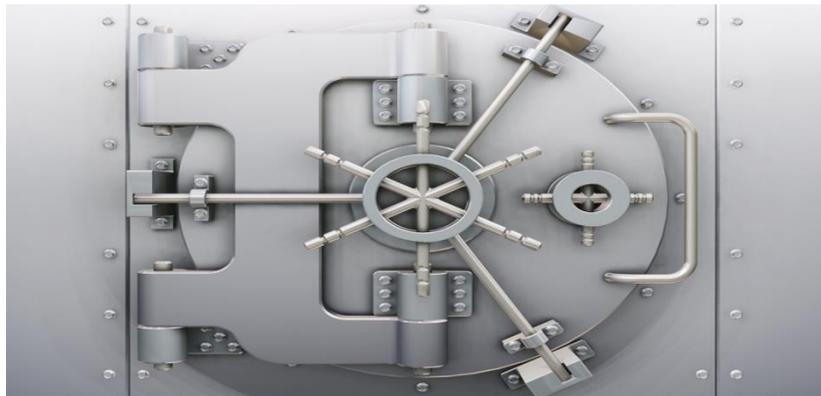
This guide is written for installing a new instance of SQL Server 2008 as it relates to SolidWorks Enterprise PDM. For a complete set of installation instructions, as well as system and software requirements, please use the following link.

http://msdn.microsoft.com/en-us/library/ms130214(v=sql.100).aspx

SQL Server is a database program, and is a required component of a SolidWorks Enterprise PDM vault installation. The SQL Server is used to manage the metadata for the files in the vault. The information in the SQL database should **NEVER** be manually modified. All modifications should come through the Enterprise Administration Tool or through a client interface.

This is not a troubleshooting guide. If you have any technical issues with SolidWorks, please contact Hawk Ridge Systems technical support.

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SQL Server 2008

Before Installation

Hawk Ridge Systems highly recommends taking a moment before installing SQL to check that you are ready to load your new software.

1. Check hardware and software compatibility.

   - Click the following link to check that your system meets the hardware and software requirements for SQL 2008

     http://msdn.microsoft.com/en-us/library/ms143506(v=sql.100).aspx

2. Check compatibility with the version of Enterprise you are running.

   - The following table lists the compatibility between Solidworks Enterprise and SQL 2008

	SQL 2008	SQL 2008 R2
SolidWorks Enterprise PDM 2009	YES	NO
SolidWorks Enterprise PDM 2010	YES	YES
SolidWorks Enterprise PDM 2011	YES	YES
SolidWorks Enterprise PDM 2012	YES	YES
SolidWorks Enterprise PDM 2013	YES	YES
SolidWorks Enterprise PDM 2014	YES	YES

3. For local installations, be sure to run Setup as an administrator. If you are installing from a network folder, you will need to use a domain account that has read and execute permissions for that folder.

4. If Enterprise PDM is already installed on the system you will need to uninstall the Microsoft SQL Server 2005 Backward Compatibility package before you install SQL Server 2008.

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5. Microsoft .Net 3.5 SP1 and Windows Installer 4.5 are required for installing SQL Server 2008. If they are not installed, the Installation Wizard will install them before launching the SQL Server 2008 installation.
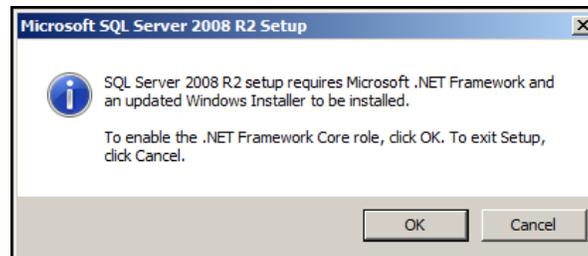

You may need to restart the system after these installations.

6. For Windows Server 2008 R2, confirm that Microsoft .Net 3.5 SP1 is already installed. To do this:

- Right click **Computer** and select **Manage**. Under Features, click **Add Features** to open the Add Features wizard
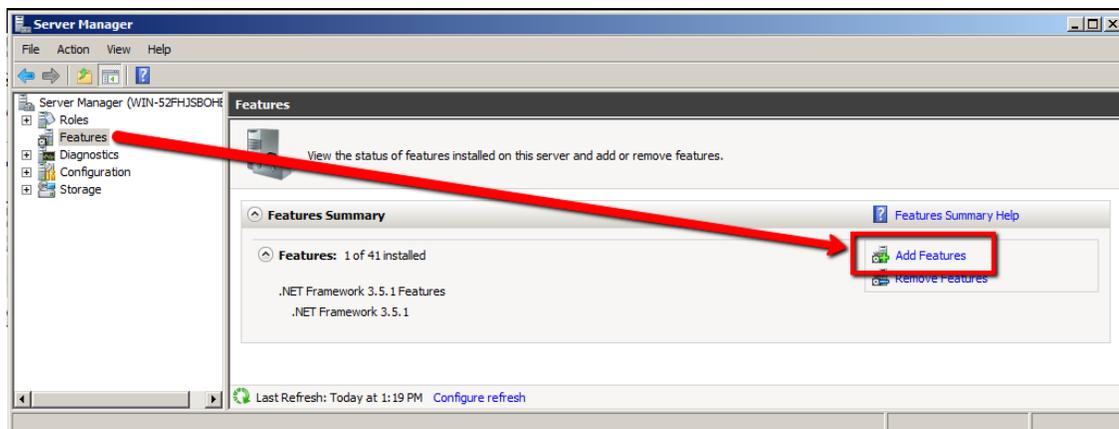
- In the Add Features Wizard, on the Features page, expand **.Net Framework 3.5.1 Features** and select **.Net Framework 3.5.1 (Installed).**
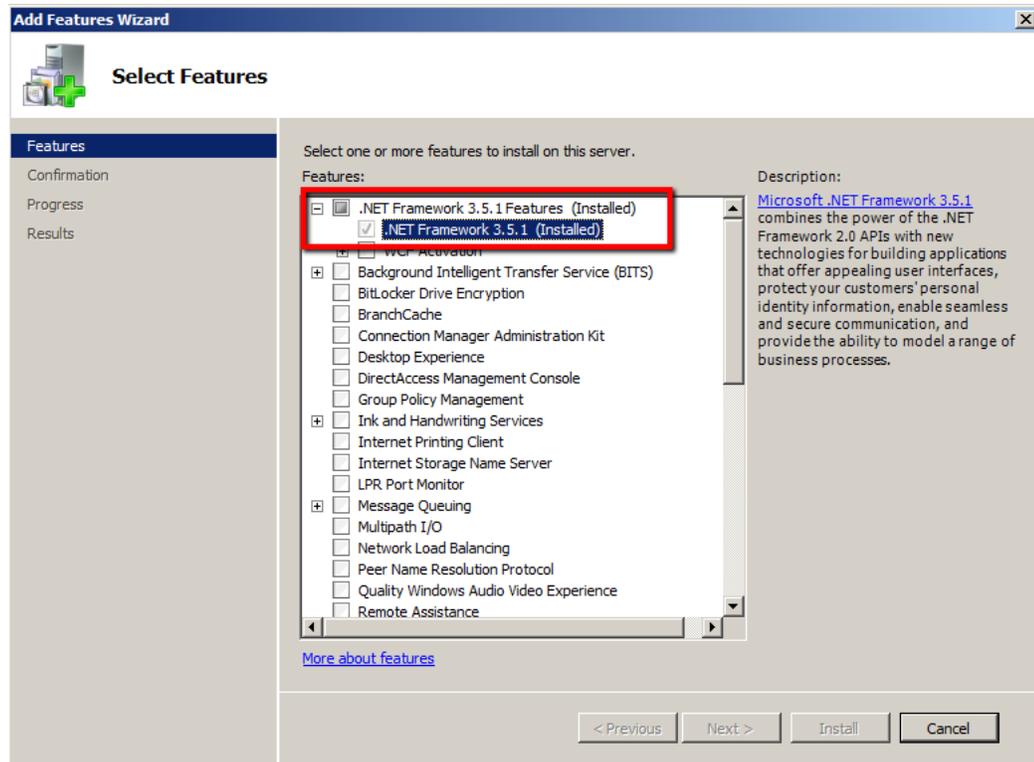
7. All installations should be done from the files supplied by SolidWorks.

8. Port 1433 will need to be opened, for TCP and UDP traffic, on any firewalls between the SQL server system and the Enterprise Archive server and clients

Installation

1. Close all Windows applications, including Windows Explorer

2. Launch the installation wizard by inserting the SQL Server 2008 media, or browsing to the install files, and launching Setup.exe. Use the default settings in this wizard unless otherwise specified.

3. In the SQL Server Installation Center window, click on **Installation** in the left pane. Then click **New installation or add features to an existing installation.**

This should bring up the SQL Server 2008 Setup window.

4. In the Setup Support Rules screen, the installer checks for problems that might prevent the installation of the SQL Server support files.

   a. If no problems are found, click **OK**.

   b. If there are problems;

      i. Click **Show details** to list the failed components.

      ii. Make note of the failed components, then click **Cancel** to stop the installation and fix the problems.

5. On the Product Key screen, if you are installing form the media supplied from Solidworks the product key should already be entered. Click **Next** on this screen.

6. Read and accept the license agreement. Click **Next**.

7. On the Setup Support Files screen click **Install**.

8. The installer runs another check for Setup Support Rules.

   a. If no problems are found, click **OK**.

   b. If there are problems;

      i. Click **Show details** to list the failed components.

      ii. Make note of the failed components, then click **Cancel** to stop the installation and fix the problems.

9. On the Setup Role screen select **SQL Server Feature Installation** and click **Next**.

10. Under Feature Selection, select the following features

    a. Instance Features

       i. Database Engine Services

    b. Shared Features

       i.   Client Tools Connectivity
       ii. Integration Services
       iii. Client Tools Backward Compatibility
       iv. SQL Server Books Online
       v.   Management Tools – Basic
       vi. Management Tools – Complete
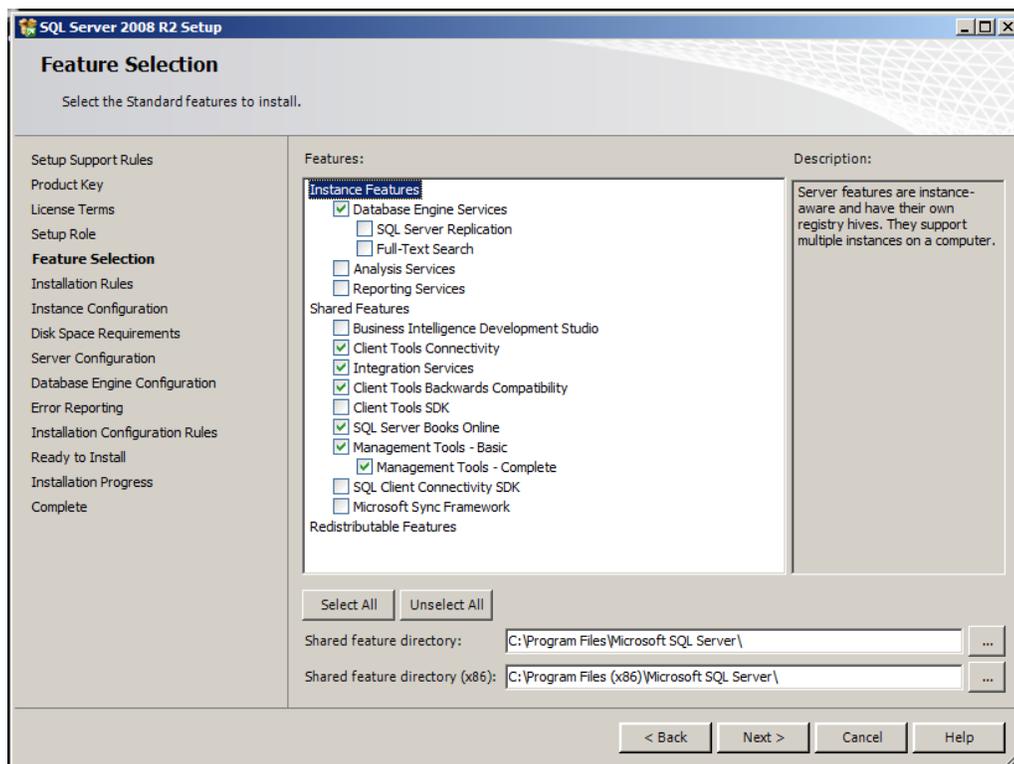
11. Instance Configuration screen

   a. If this is a new installation

      i. Select **Default Instance** and click **Next**

   b. If SQL is already installed on the system and you didn't upgrade

      i. Select **Named Instance**

      ii. Enter a unique instance name for this installation

      iii. Click **Next**.

12. Disk Space Requirements: if the disk space requirements are met, click **Next**.

   a. If disk space requirements are not met, not the required space, click **Cancel** and either free up some space or add additional hard drives

13. On the Server Configuration screen set the options as follows

   a. SQL Server Agent

      i. Account name: **NT AUTHORITY\SYSTEM**

      ii. Startup Type: **Automatic**

   b. SQL Server Database Engine

      i. Account name: **NT AUTHORITY\SYSTEM**

      ii. Startup Type: **Automatic**

   c. SQL Server Integration Services 10.0

      i. Account name: **NT AUTHORITY\SYSTEM**

      ii. Startup Type: **Automatic**

   d. SQL Server Browser

      i. Account name: **NT AUTHORITY\SYSTEM**

      ii. Startup Type: **Automatic**

SQL Server 2008 R2 Setup

Server Configuration

Specify the service accounts and collation configuration.

Setup Support Rules	
Product Key	
License Terms	
Setup Role	
Feature Selection	
Installation Rules	
Instance Configuration	
Disk Space Requirements	
Server Configuration	
Database Engine Configuration	
Error Reporting	
Installation Configuration Rules	
Ready to Install	
Installation Progress	
Complete	

Service Accounts | Collation

Microsoft recommends that you use a separate account for each SQL Server service.

Service	Account Name	Password	Startup Type
SQL Server Agent	NT AUTHORITY\SYSTEM		Automatic
SQL Server Database Engine	NT AUTHORITY\SYSTEM		Automatic
SQL Server Integration Services 10.0	NT AUTHORITY\SYSTEM		Automatic
SQL Server Browser	NT AUTHORITY\LOCAL S...		Automatic

Use the same account for all SQL Server services

< Back   Next >   Cancel   Help

14. For the Server Configuration/Collation tab

    a. Click **Customize** for the Database Engine

    b. In the dialog box, select **Windows Collation designator and sort order** and the Collation designator that matches your locale. Keep the other selections.

    c. Click **Next**

15. Database Engine Configuration/Account Provisioning tab

    a. Select **Mixed Mode (SQL Server Authentication and Windows Authentication)**. Enterprise uses SQL Server authentication for database communication

    b. Type a strong password for the system administrator (SA) account. Do not leave the password blank. For password rules, click **Help.**

    c. Retype the password to confirm it.

    d. Under Specify SQL Server Administrators, click **Add.**

e. In the Select Users, Computers, or Groups dialog box, enter the name of the local administrators of the system or the Administrators group.
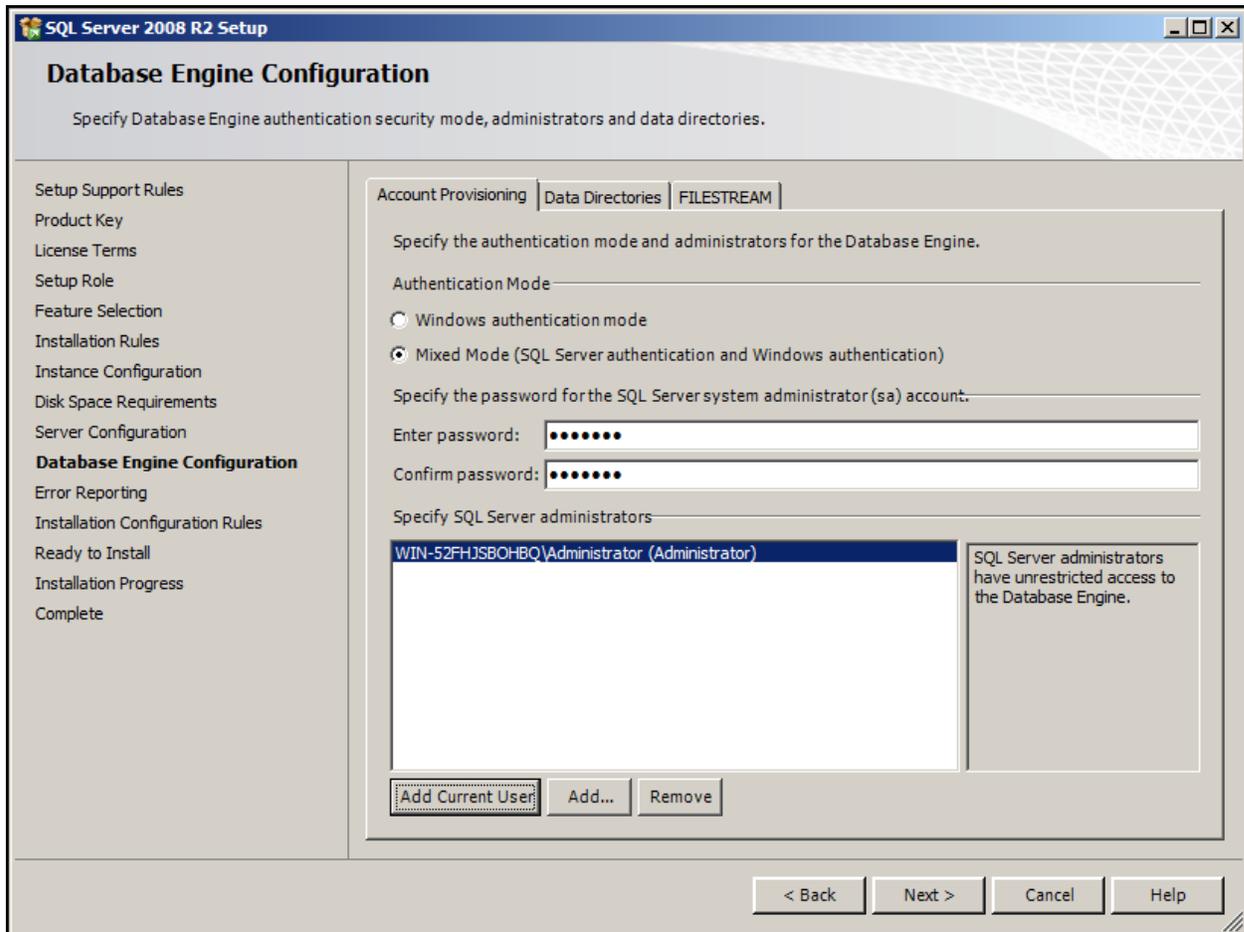
f. Click **Next**

16. ***Optional***

    a. On the Database Engine Configuration/Data Directories tab, you have the option of changing the default folder where the databases created by Enterprise PDM are stored. To do this, change the location for **User database directory** and **User database log directory**.

17. **Do not** change the settings on the **Filestream** tab.

18. On the Error and Usage Reporting screen click **Next**.

19. The installer runs another check for Setup Support Rules.

    a. If no problems are found, click **OK**.

    b. If there are problems

      i. Click **Show details** to list the failed components.

      ii. Make note of the failed components, then click **Cancel** to stop the installation and fix the problems.

20. On the Ready to Install screen, click **Next**.

    a. When the progress bar shows Setup Process Complete, click **Next**.

21. On the Complete screen, click **Close**.