



■ *ISS45 Office Installation Guide,*
■ *Microsoft® SQL Workgroup Edition 2008*
■ *Version 8.1.8.1-050*



ISS45 Office Installation Guide, Microsoft SQL Workgroup Edition 2008

Date of Issue	Product ID Num.	Part Number	Brief Description
February 2011	45001/032	89000623	Version 8.1.5.2
May 2011	45001/032	89000653	8.1.5.2 Updated
January 2012	45001/032	89000694	R2 Version
August 2013	45001/032	89000784	8.1.7.0 Release
June 2015	45001/032	89000843	Version 8.1.8.0
September 2016	45001/032	89000879	Version 8.1.8.0-050

**©Copyright NCR Corporation 1995-2016
All rights reserved**

This publication is protected by federal copyright law. This document and its contents are the proprietary, confidential information and property of NCR Corporation ("NCR"). Unauthorized disclosure, reproduction, distribution or use of this document and/or its contents in any form is strictly prohibited. No part of this publication may be reproduced or transmitted into any human or computer language in any form or by any means, stored in a retrieval system, transmitted, redistributed, translated or disclosed to third parties, or de-compiled in any way including, but not limited to, photocopy, photograph, electronic, mechanical, magnetic or manual without the express written permission of NCR or its licensors, if any. This document, notwithstanding the above, may be distributed in electronic or printed form by NCR to personnel who are employed by either (a) a licensee and end user of the subject system of this document or (b) personnel from an authorized NCR Channel Partner or Solution Provider of the subject system of this document. All copies of this document so distributed and/or so authorized, shall contain a full copy of this copyright notice.

NCR has prepared this document as a guide to the proper installation, operation, customization and/or maintenance of NCR products. The drawings and specifications contained herein are the property of NCR and/or its licensors.

NCR endeavors to ensure that the information in this document is correct and fairly stated but does not accept liability for any error or omission. NCR makes no representation or warranties with respect to the contents hereof, and specifically disclaims any implied warranties of merchantability or fitness for a particular purpose or non-infringement. No commitments by NCR or its suppliers are made by or from this documentation which is provided for information only.

Development of NCR products and documentation is continuous: NCR reserves the right to revise this publication and to make changes at any time to the contents hereof or to the products herein described or discussed without notice and without any obligation for NCR to notify any person or organization of such revision or changes. Information published in this document will likely be superseded, and it is recommended that users regularly check for updates and newer versions.

The trademarks NCR, Retailix, StoreNext, ISS45, ScanMaster, R10, ACS, PocketOffice, RPO, RBO, ABO, Connected Payments, ServerEPS, Connected Services, Connected Loyalty, WinEPS and all other NCR product names are registered trademarks or trademarks of NCR; all other trademarks or registered trademarks are the property of their respective owners. Third-party products, services, or company names referenced in this document may be trademarked or copyrighted by their respective owners, and are for identification purposes only. Copyrights, trademarks and license agreements shall be governed and construed in accordance with the laws of the State of New York and the Federal Arbitration Act, and shall benefit NCR, its successors, and assigns.

Address comments and corrections regarding this document to:

Attn: Software Program Director
NCR
797 Commonwealth Drive
Warrendale, PA 15086



Table of Contents

Table of Contents.....	2
Overview.....	3
SQL Server 2008 R2 Installation.....	5
Backwards Compatibility (SQLDMO) SQLServer2005_BC.msi.....	33
Removing the “sa” Password	43
Enable Named Pipes	46
Disable Data Execution Prevention (DEP)	48



Overview

Note:

The Retailix CD is labeled Microsoft SQL Server 2008 Workgroup Edition (Part # 89000627 – Release Date 8/15/2011).

This document will guide you through the installation of:

- SQL Server 2008 R2 Workgroups
- SQLDMO pack install
- Removing the “sa” password
- SQL2008 Service Pack 1
- Enabling Named Pipes
- Disabling Data Execution Prevention (DEP)

The recommended hardware requirements for SQL 2008 Standard Edition (32-bit) and Retailix are:

- CPU = P4 - 2.0 GHz or higher
- RAM = 4 GB or higher
- HD = 80 GB or higher

Software requirements for MFS1 are:

- Windows 7 Professional 32 bit
- Windows Server 2008 Standard Server

Note:

Windows Server 2000 is no longer supported by SQL Server 2008.

Prerequisites (* = Installed by installation wizard if they do not exist)

- .Net Framework 2.0
- .Net Framework 3.5sp1
- *KB959209 for Server 2008 and 2003 (KB959209 consists of 3 separate files). Follow Knowledge Base Article [KB959209](#) for more information.
- Windows Installer 4.5
- SQL Server Native Client*



-
- SQL Server Setup support files*
 - Internet Explorer 8
 - SQLDMO Pack (backward compatibility)

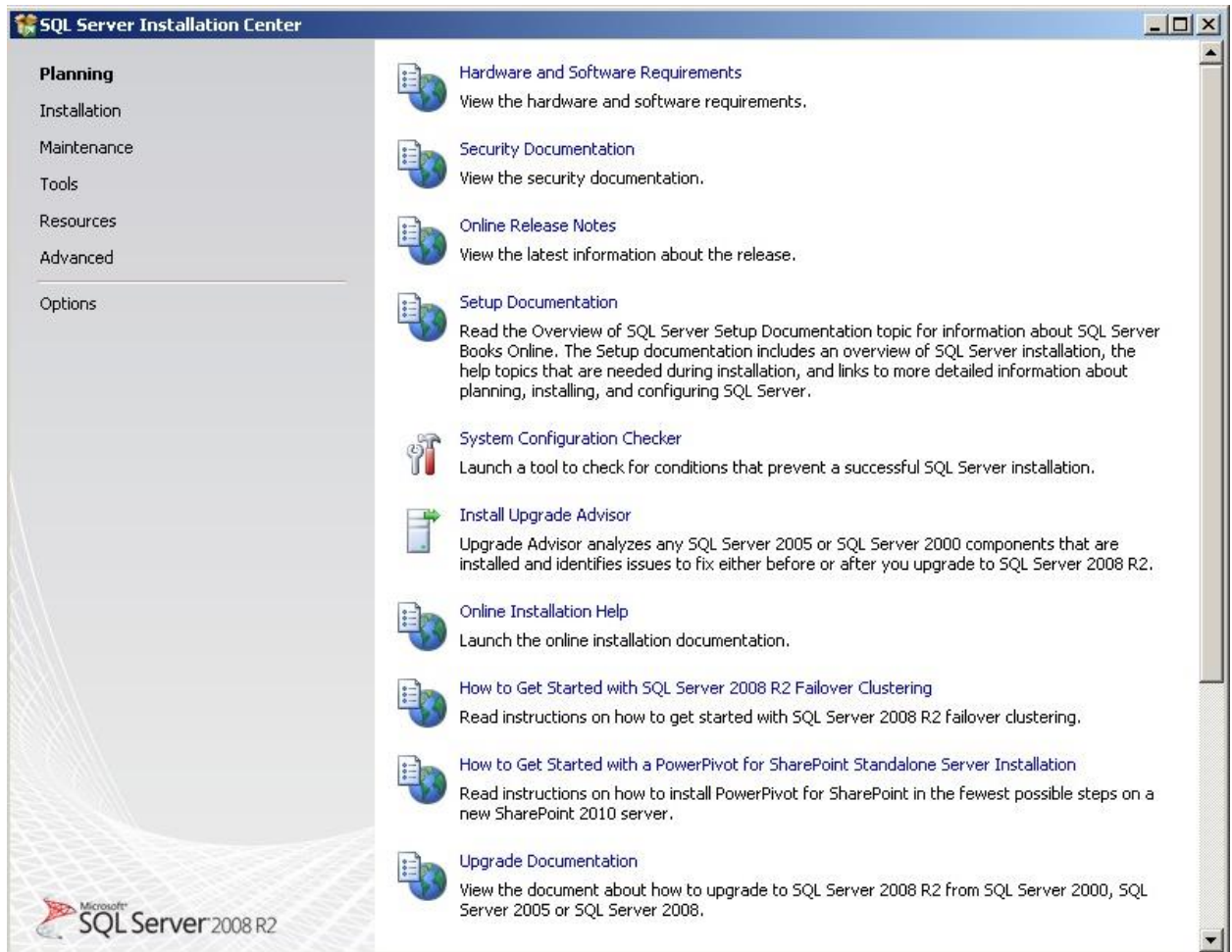
Note:

You must be logged into Windows as the Administrator User when installing any Retailix related applications on MFS1, MFS2, an LFS Workstation or POS Terminal.

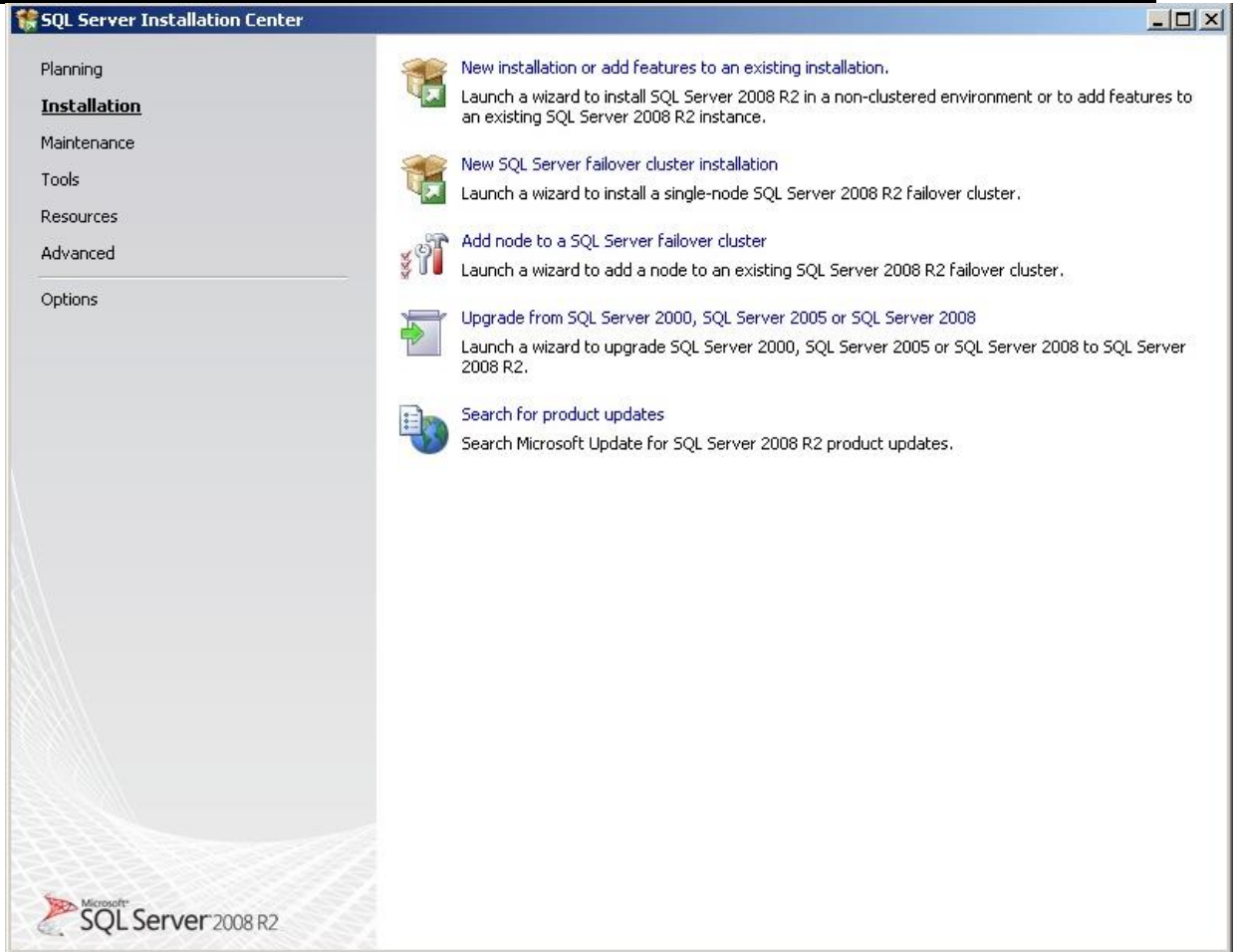


SQL Server 2008 R2 Installation

- 1 From the CD or from the folder containing the SQL source files, click setup.exe. **SQL Server Installation Center** is displayed.

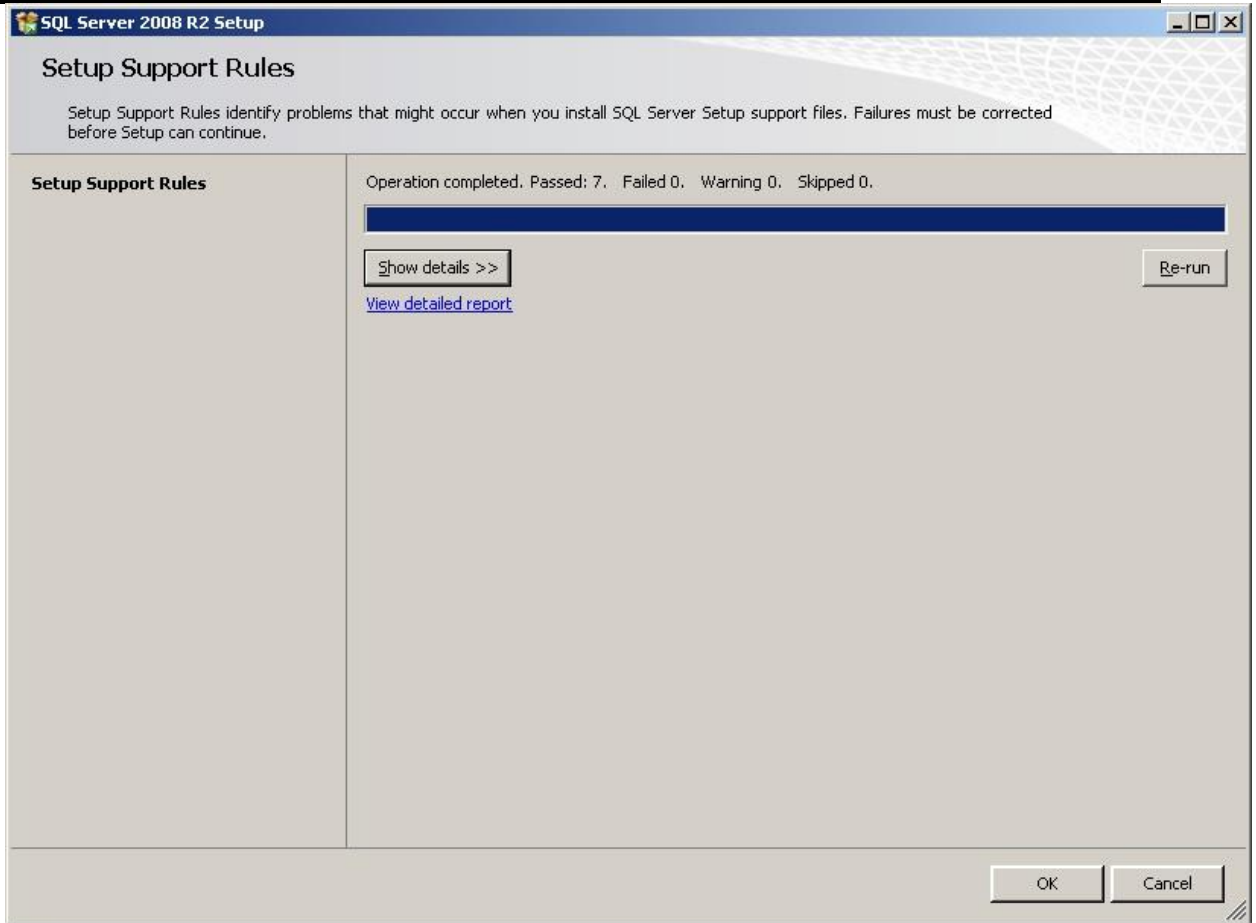


- 2 On the left hand side click the **Installation** tab Installation options are displayed

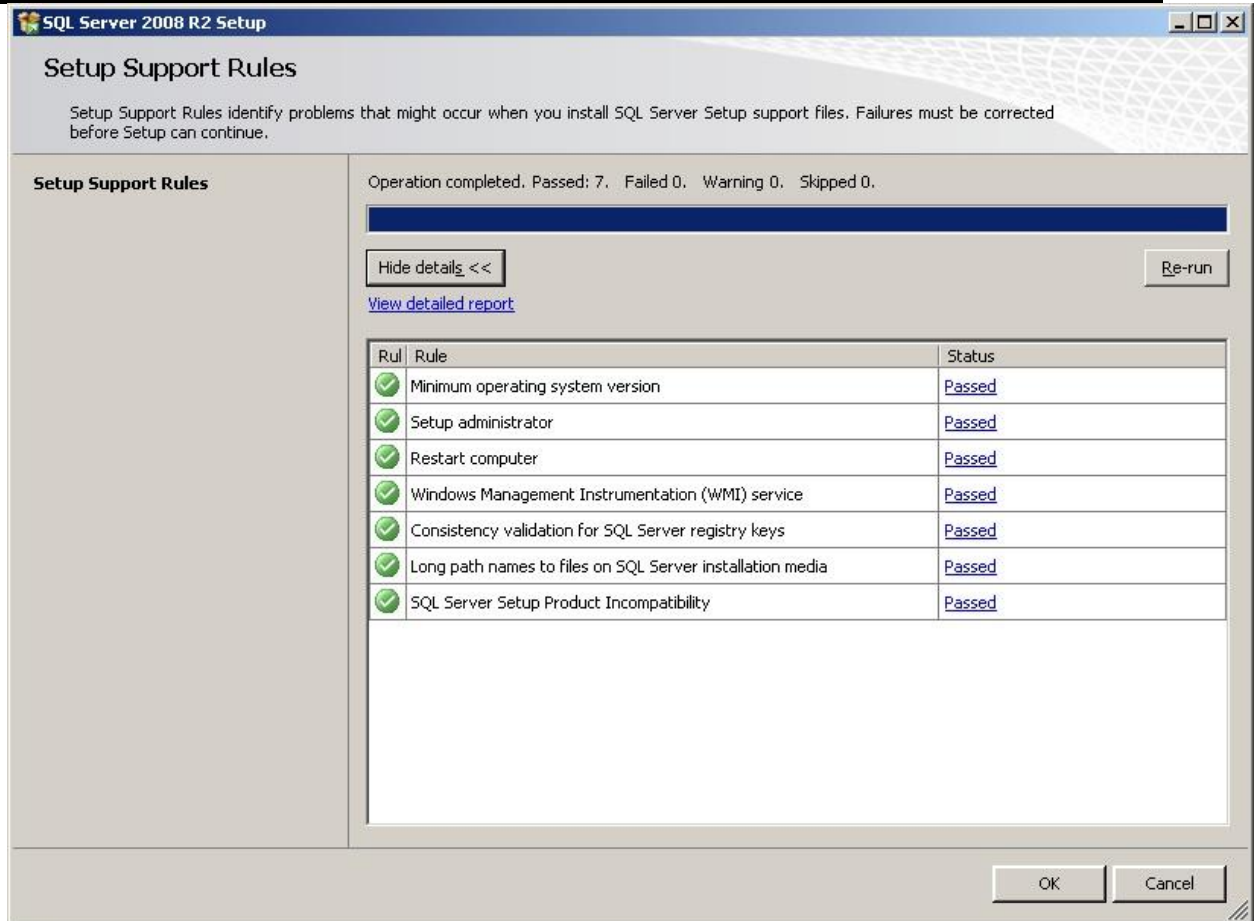


- 3 Select the top Hyperlink **New installation or add features to an existing installation**. A SQL Server 2008 message appears and then the **Setup Support Rules** screen will be displayed.

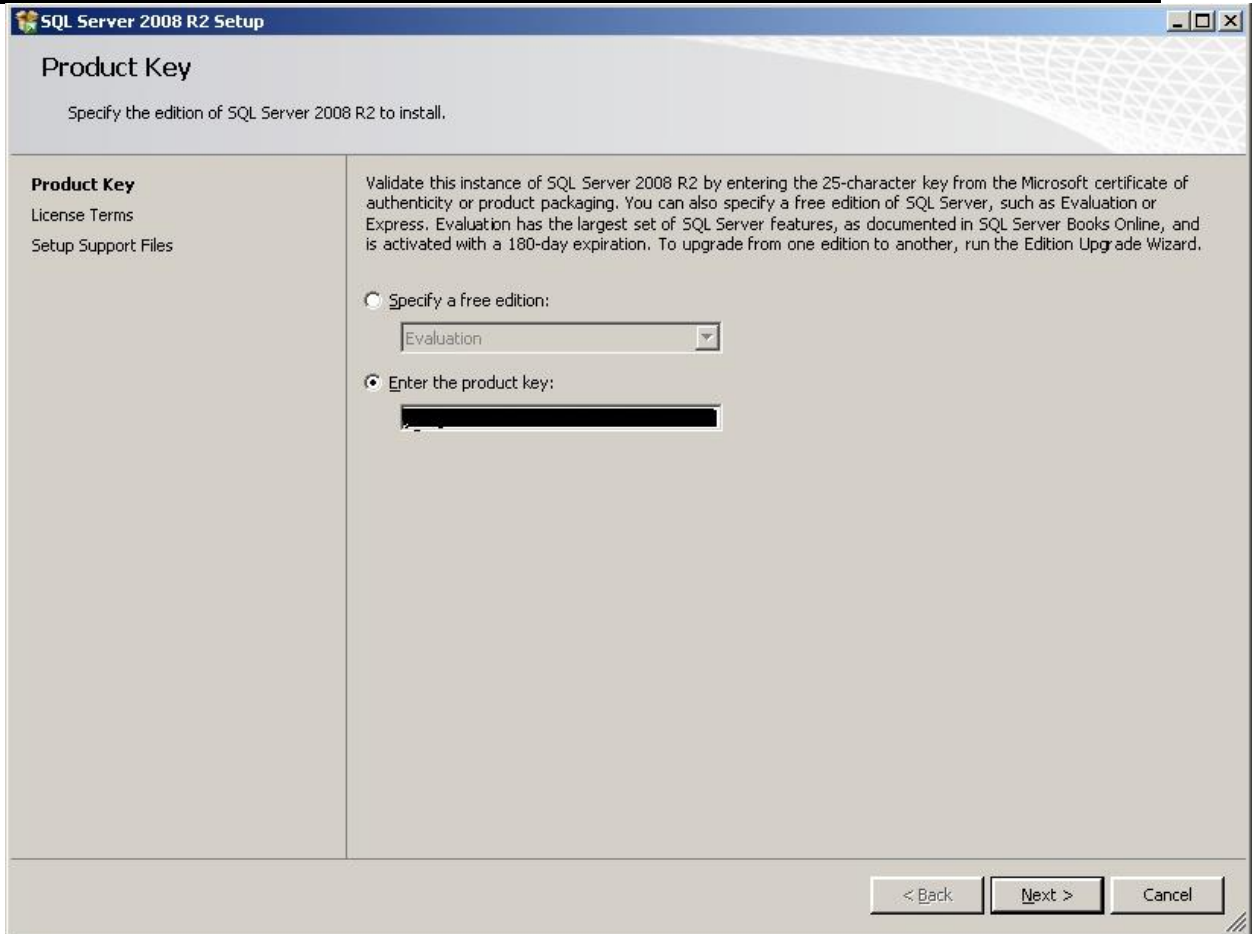





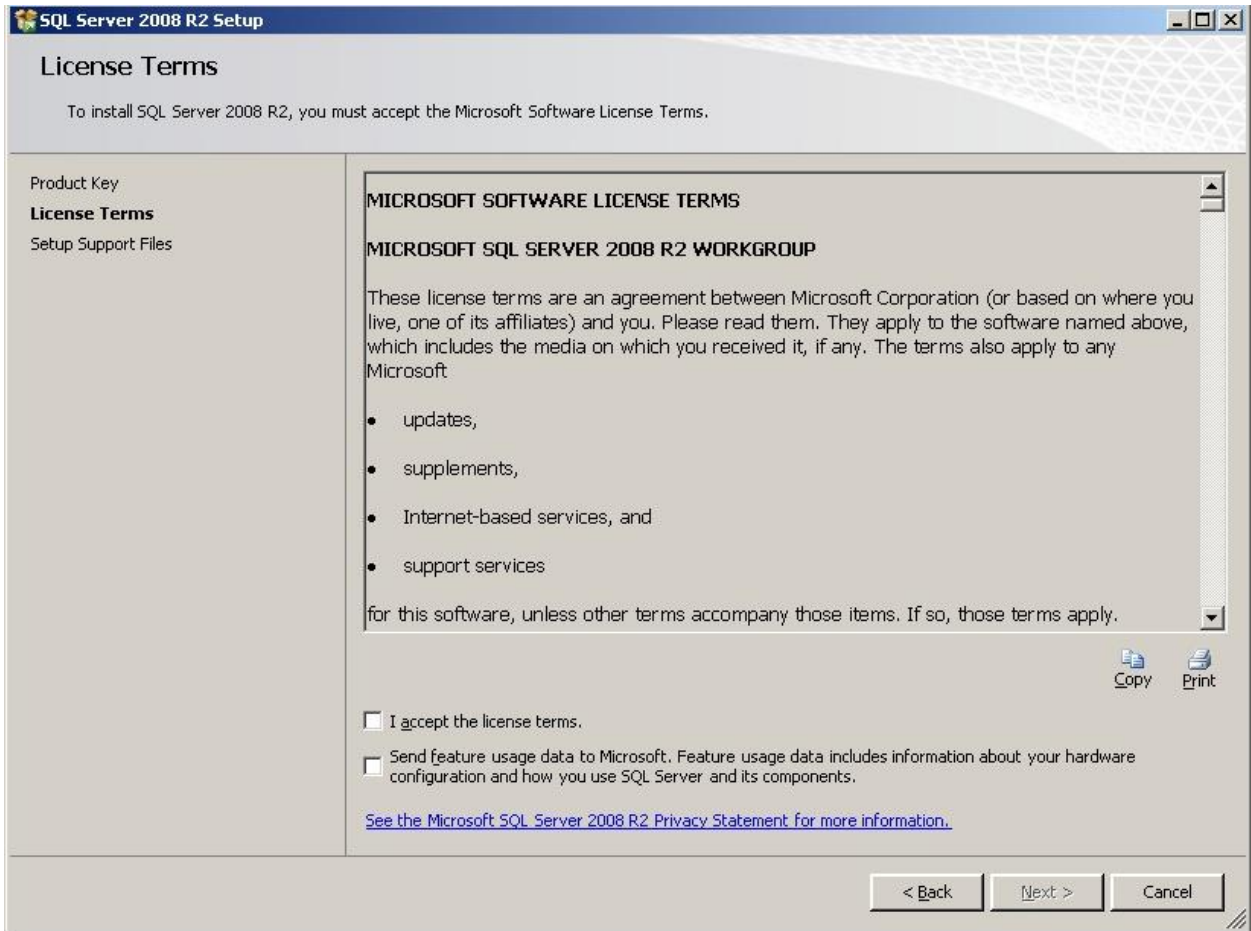
- 4 Click the **Show details >>** to view detailed view details.



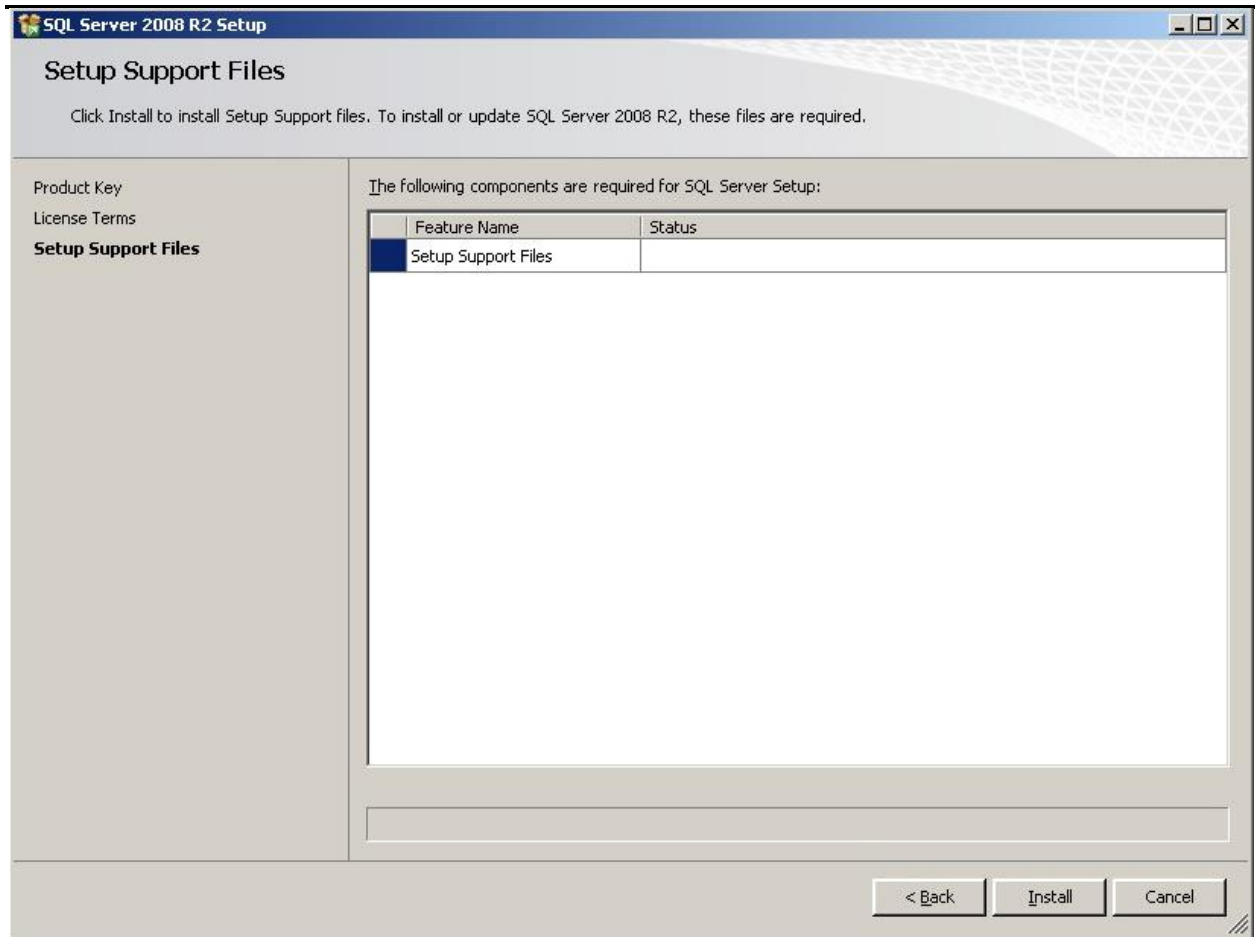
- 5 Make sure that all lines are with the sign, if one of the lines has a different sign you can press the hyperlink on the **Status** column to read more details. (You can re-run the test again by clicking the button.)
- 6 Click . The **Product Key** screen will be displayed:



- 7 Enter your product License key and click . The **License Term** is displayed:



- 8 Approve the license agreement by checking the I accept the license terms.
- 9 Click . The **Setup Support Files** screen is displayed.



10 Click . The **Setup Support Files** screen with results is displayed.



SQL Server 2008 R2 Setup

Setup Support Rules

Setup Support Rules identify problems that might occur when you install SQL Server Setup support files. Failures must be corrected before Setup can continue.

Setup Support Rules

- Setup Role
- Feature Selection
- Installation Rules
- Disk Space Requirements
- Error Reporting
- Installation Configuration Rules
- Ready to Install
- Installation Progress
- Complete

Operation completed. Passed: 10. Failed: 0. Warning: 1. Skipped: 0.

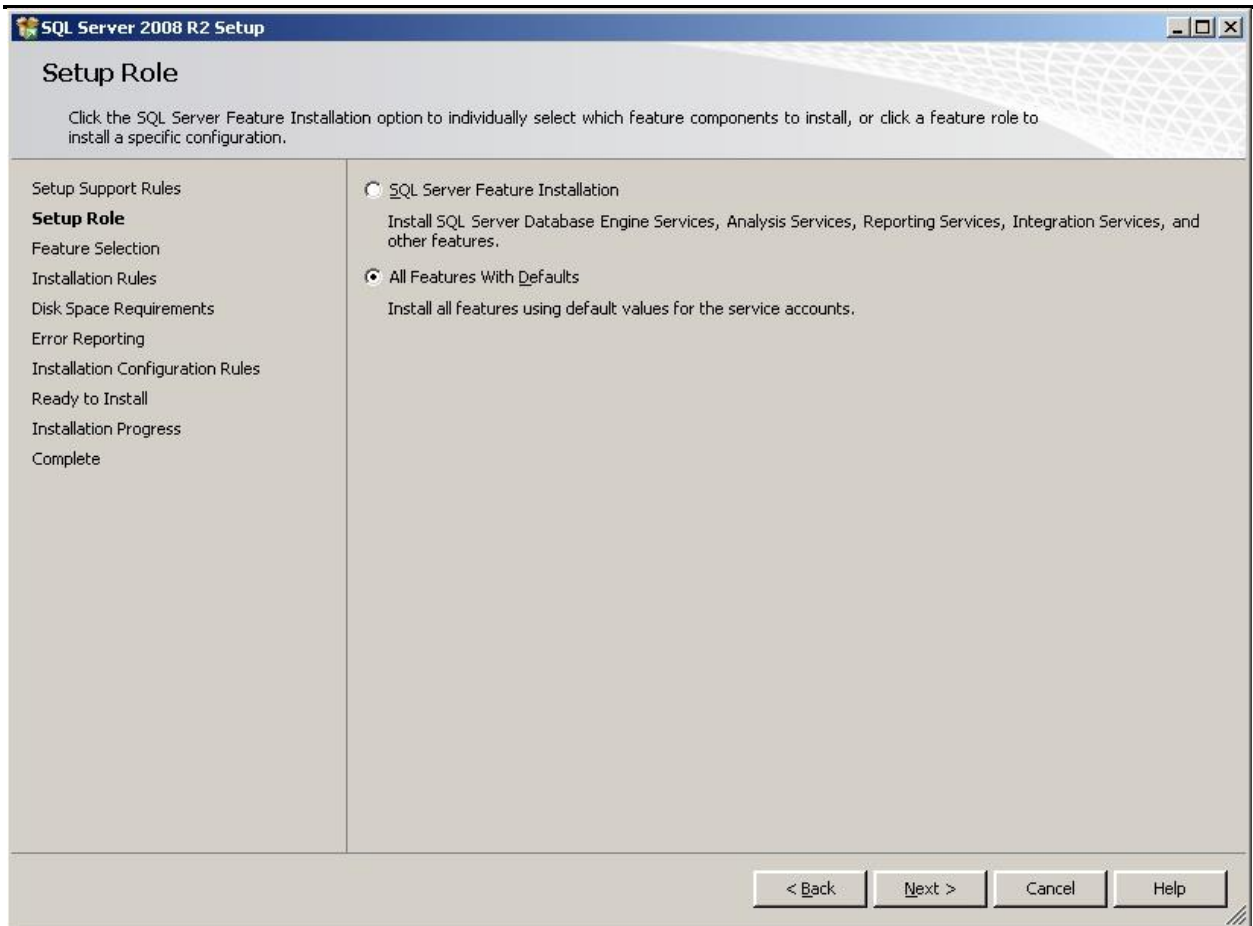
Hide details << Re-run

[View detailed report](#)

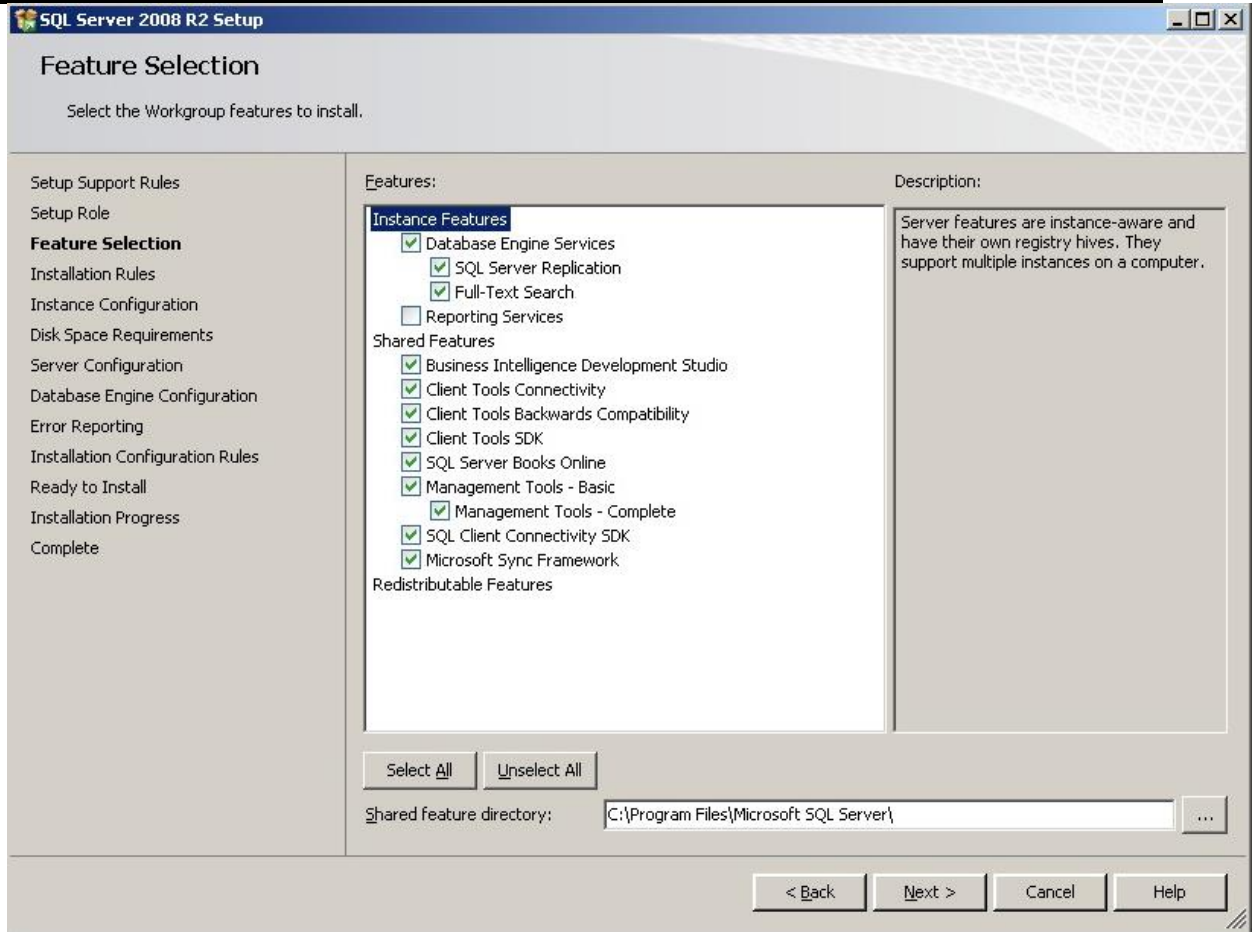
Rule	Status
✓ Fusion Active Template Library (ATL)	Passed
✓ Unsupported SQL Server products	Passed
✓ Performance counter registry hive consistency	Passed
✓ Previous releases of SQL Server 2008 Business Intelligence Develop...	Passed
✓ Previous CTP installation	Passed
✓ Consistency validation for SQL Server registry keys	Passed
✓ Computer domain controller	Passed
⚠ Microsoft .NET Application Security	Warning
✓ Edition WOW64 platform	Passed
✓ Windows PowerShell	Passed
✓ Windows Firewall	Passed

< Back Next > Cancel Help

- 11 Ensure that no Failed Status exists. Click Next > to continue. The Setup Role screen is displayed.

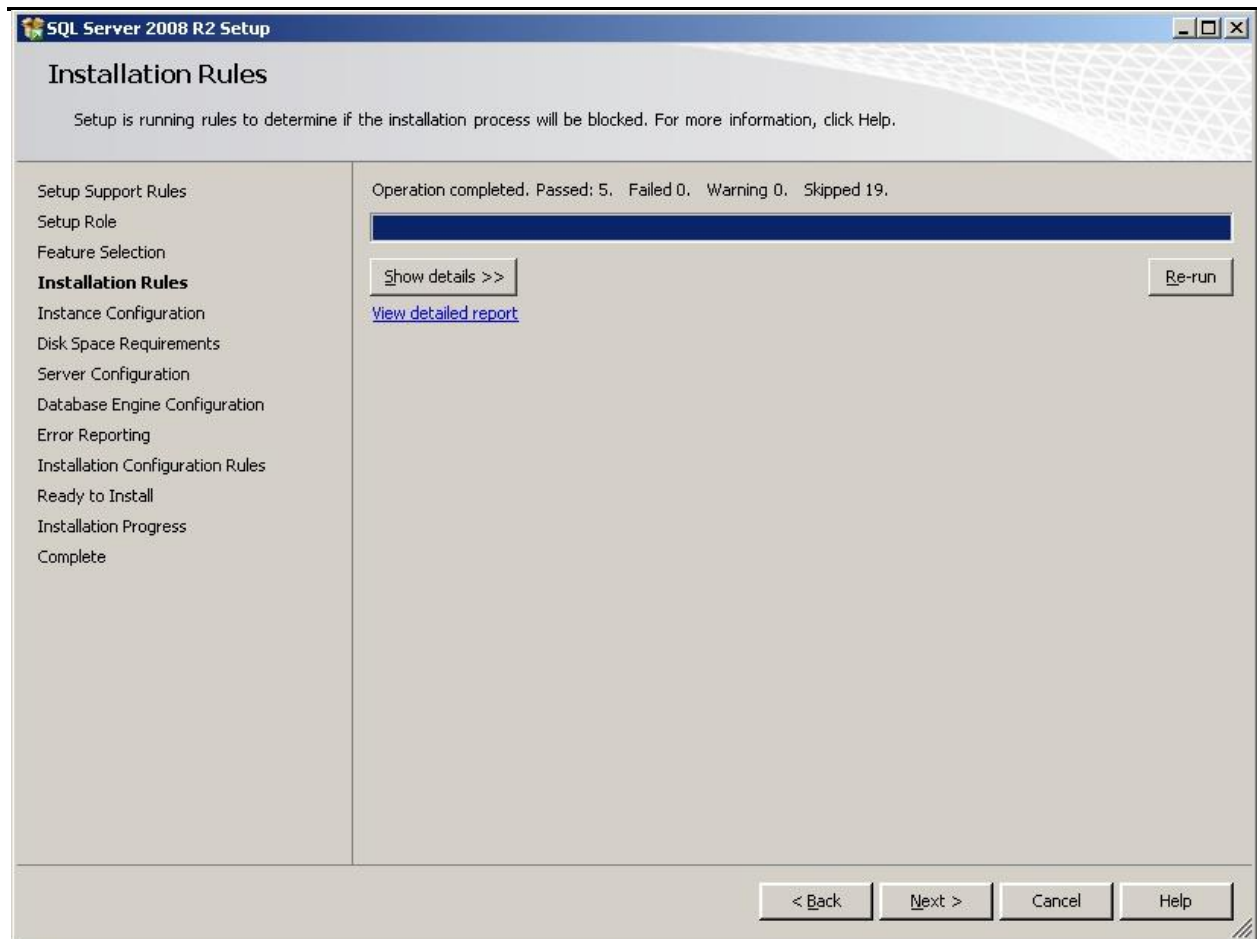



12 Click **Next >** to continue

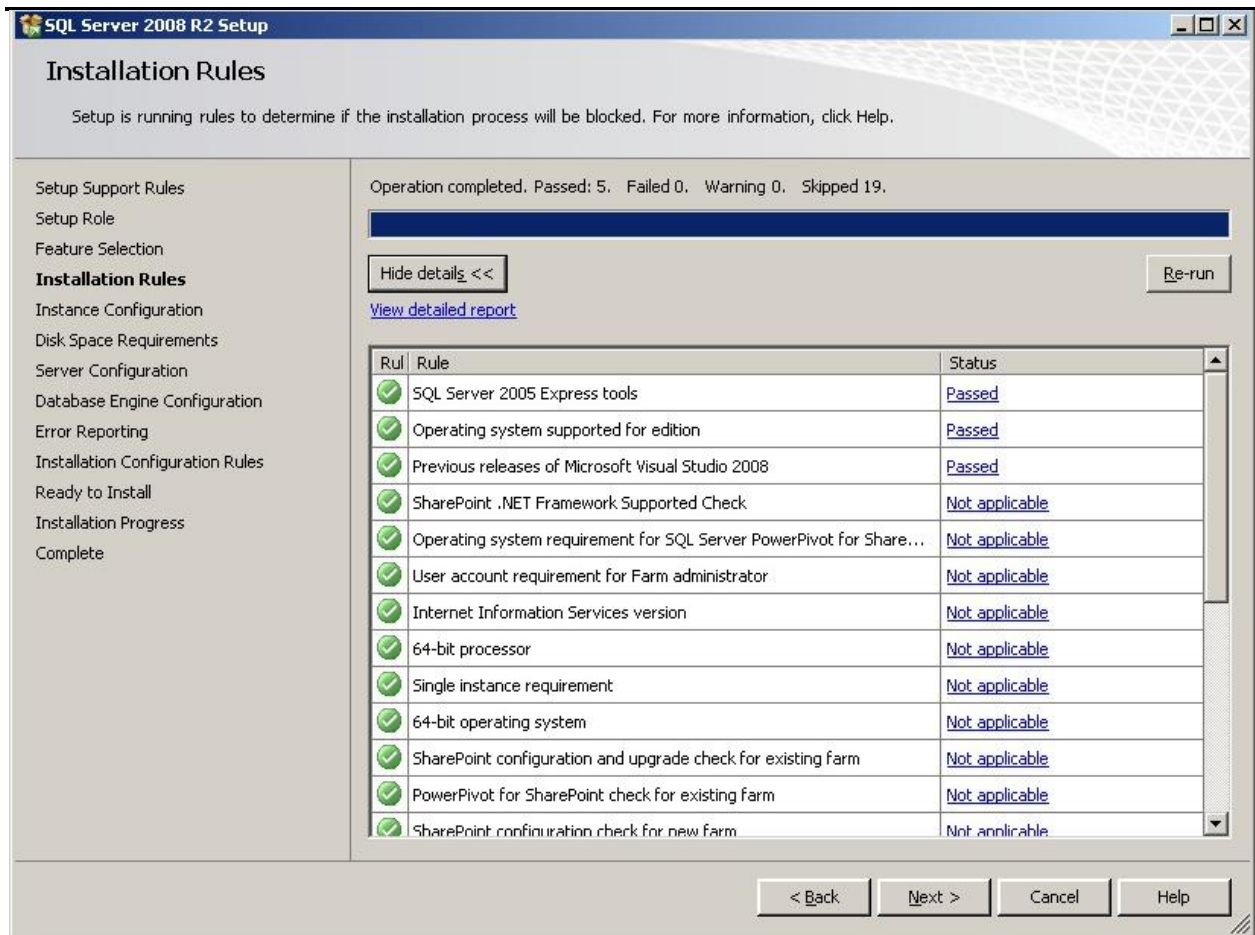



13 Click **Select All** and then uncheck **Reporting Services**.

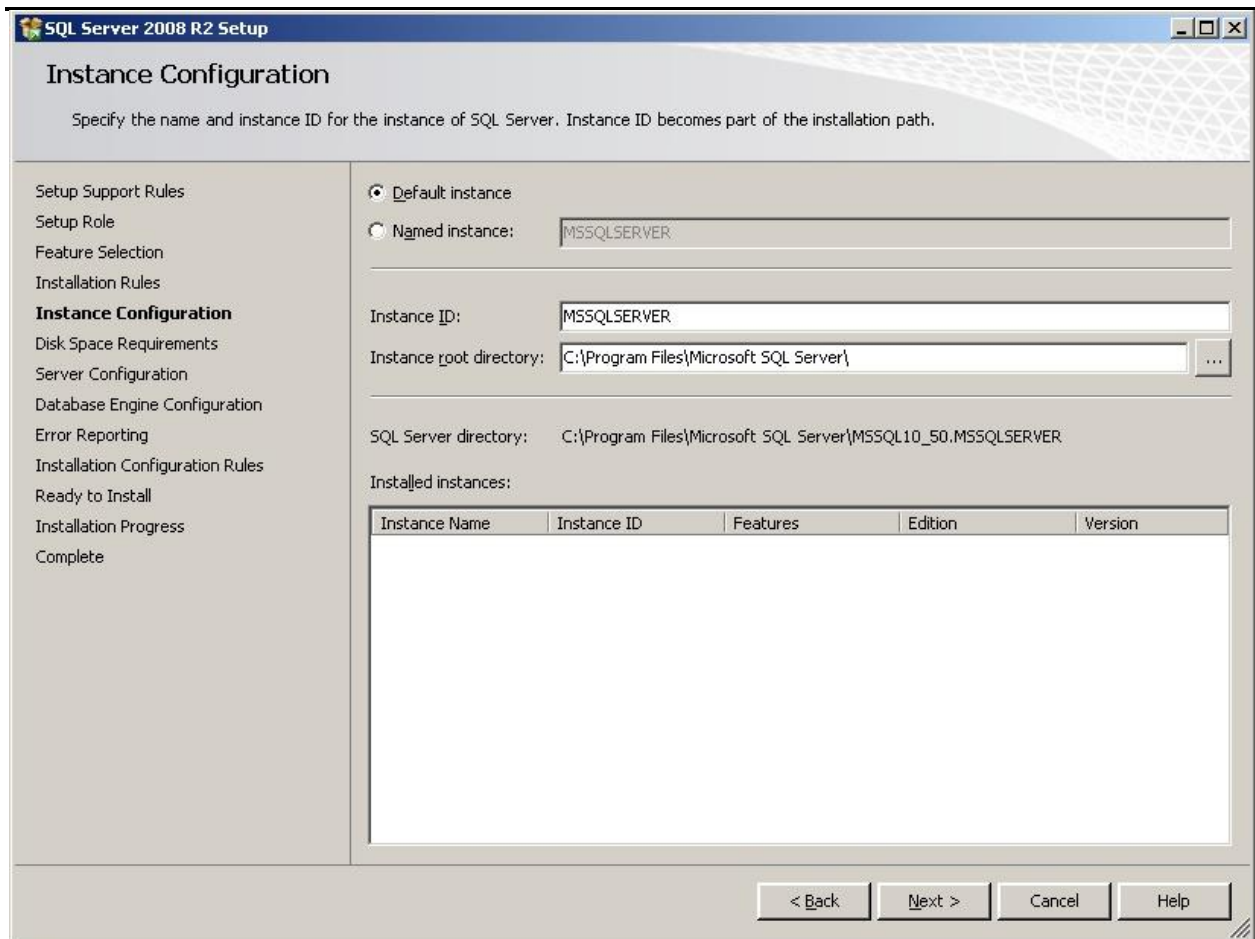
14 Click **Next >** to continue. The **Installation Rules** screen is displayed.



15 Click the  to view detailed view details.



16 Make sure the  is green and click **Next >**. The **Instance Configuration** screen is displayed.

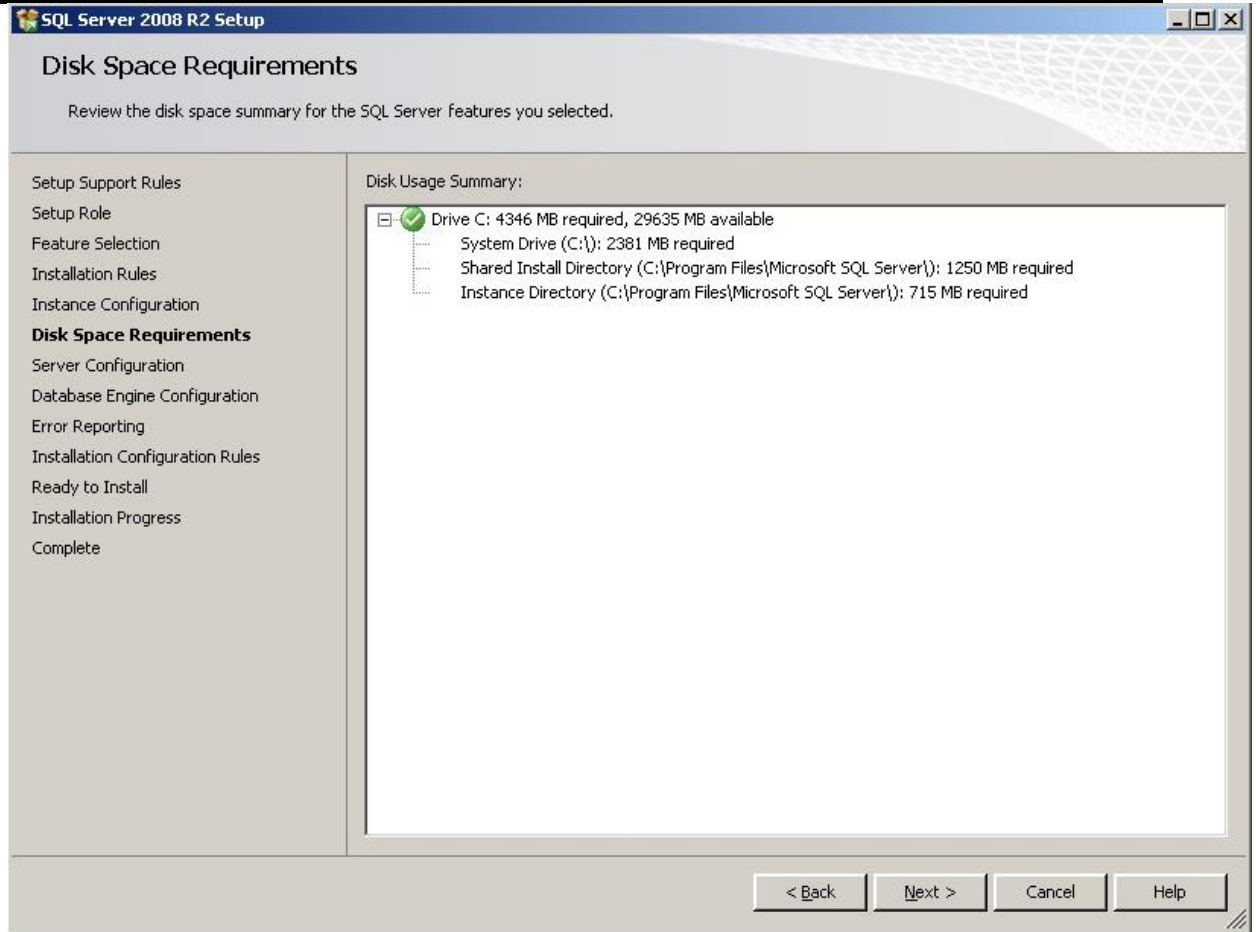


17 Select the Default instance radio button.

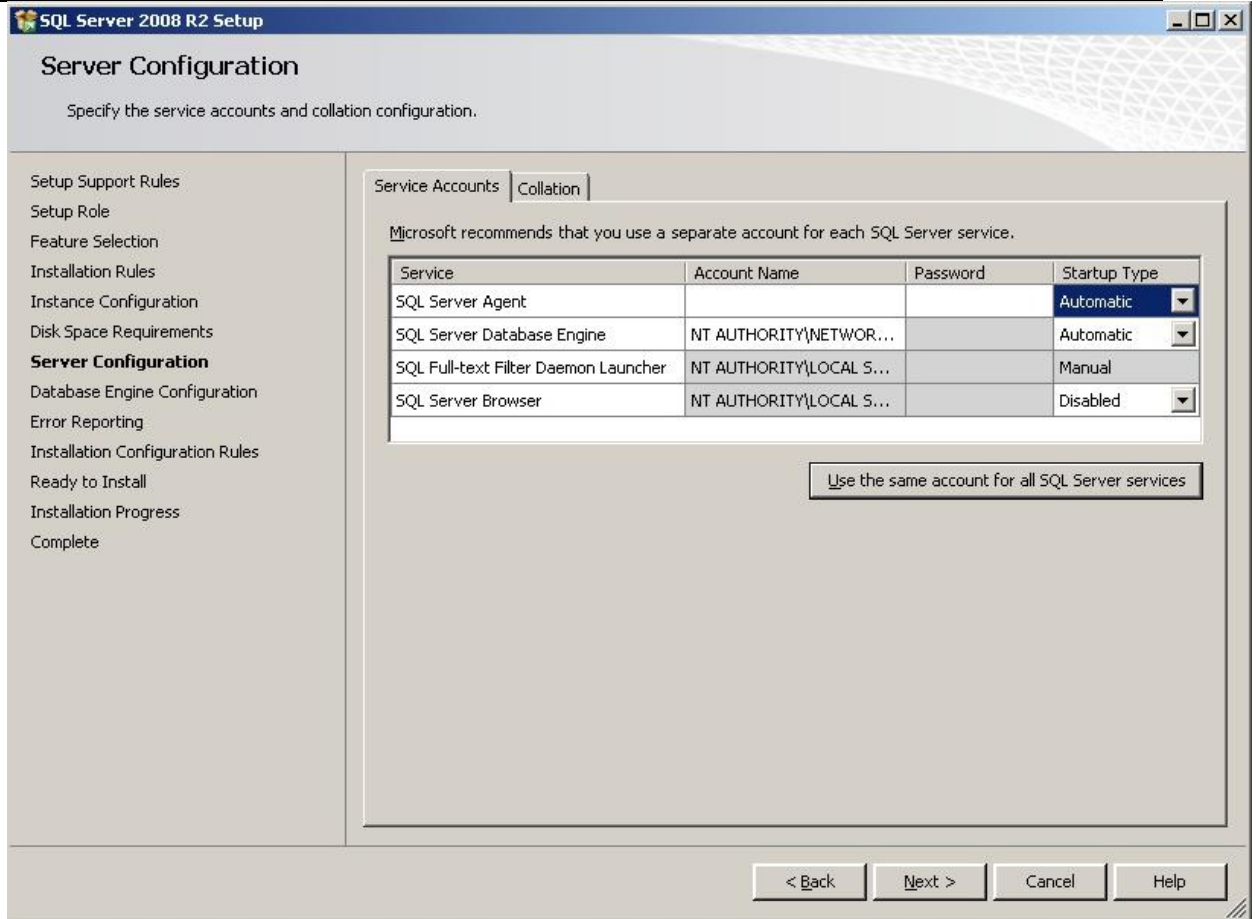
18 Verify the correct path:

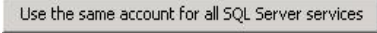
Shared feature directory: ...

19 Click . The **Disk Space Requirements** screen is displayed. The system will check the available disk space according to the path specified in step 18.



20 Click . The **Server Configuration** screen is displayed.

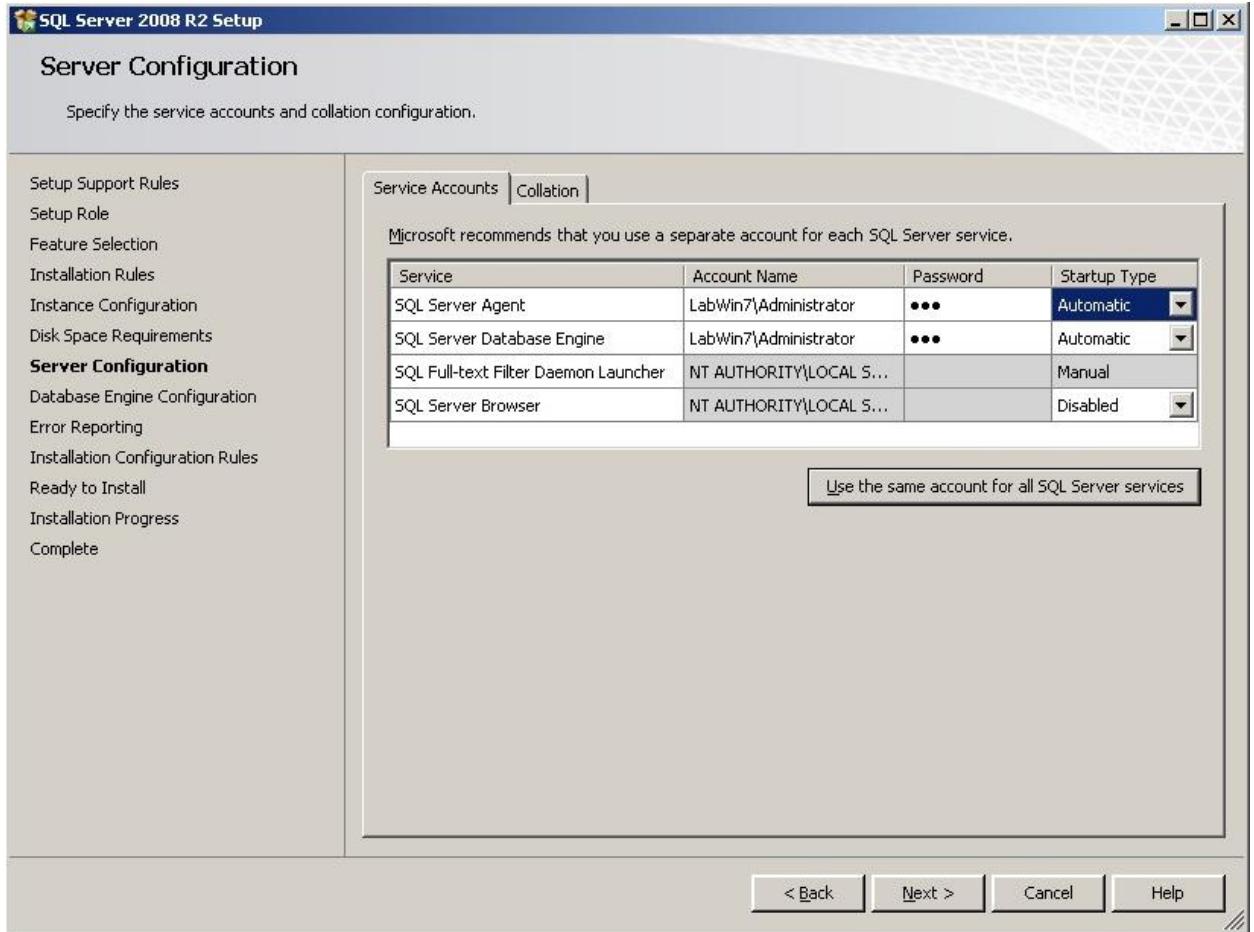


21 Set SQL Server Agent to Automatic. Set the **Account Name** and the **Password** for each of the services, or click the  button. The **Use the same account for all SQL Server 2008 Services** dialog box is displayed. Use the Browse button to get the correct Account Name:

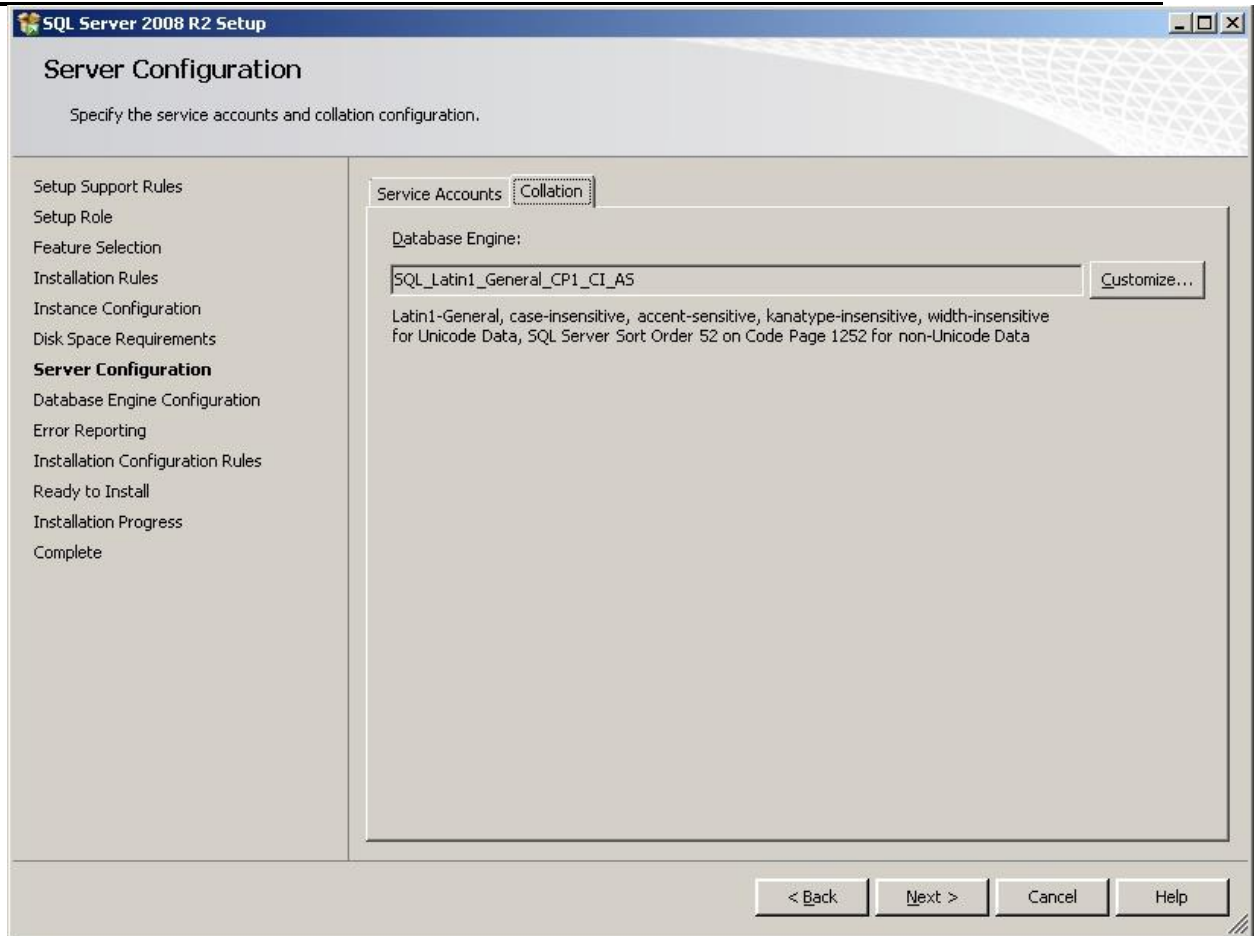




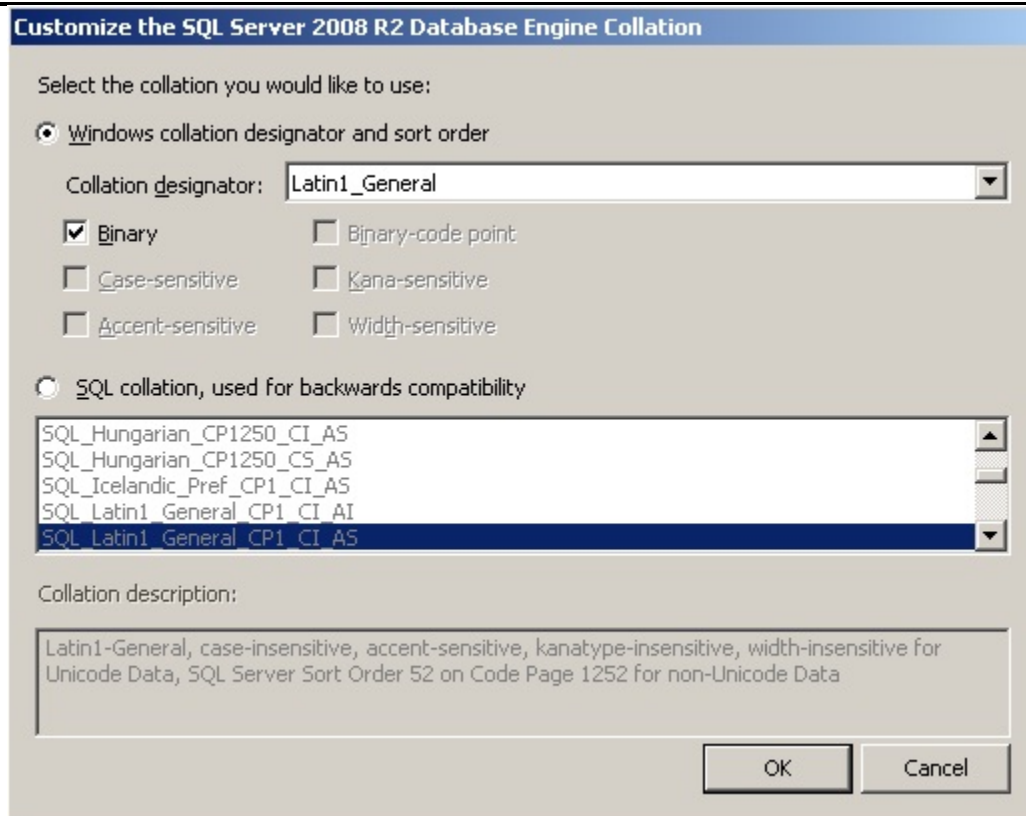
- 22 Enter a valid user account name and password and click the button. The **Server Configuration** screen displays (**Don't click Next yet!**):




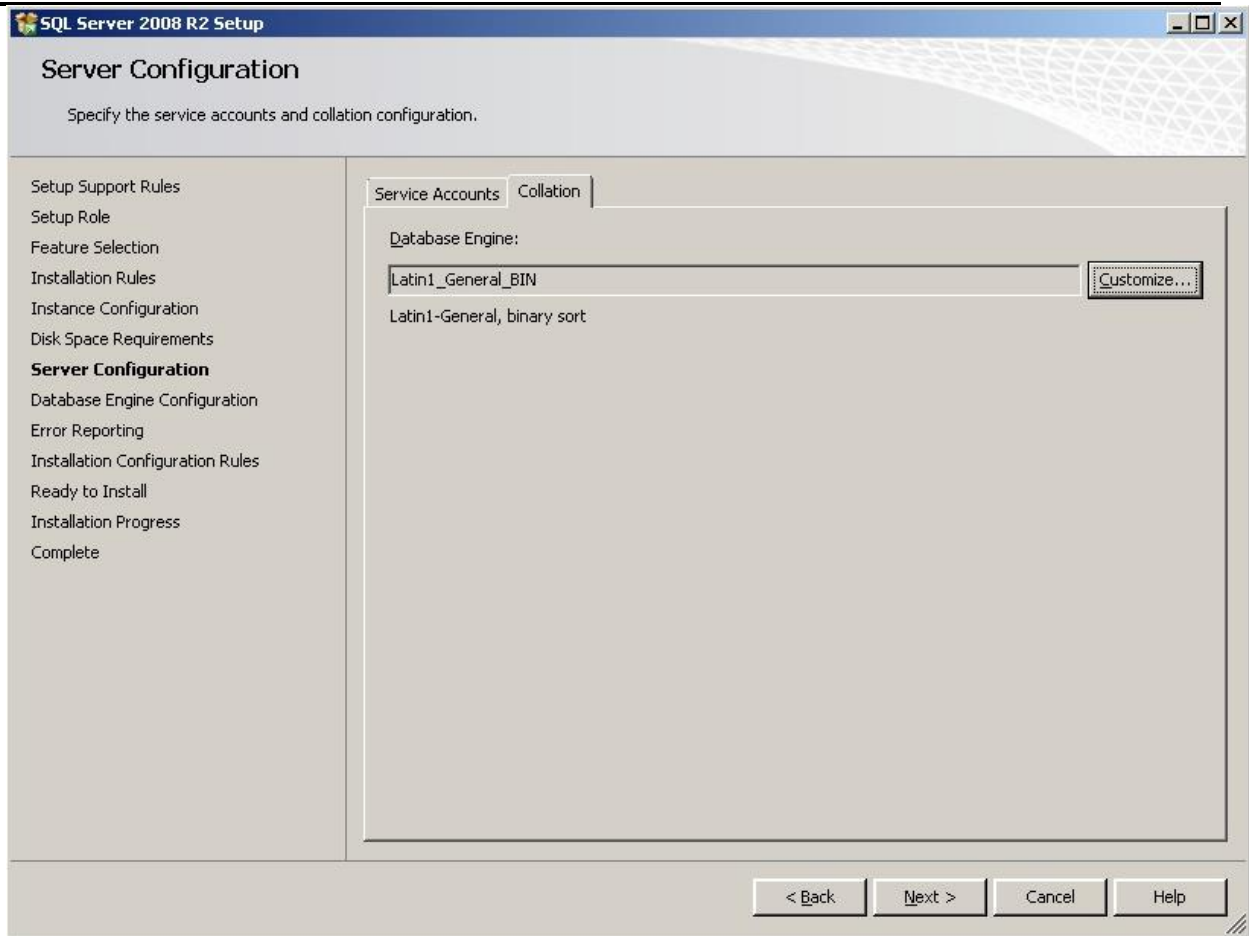
- 23 Select the **Collation** tab.



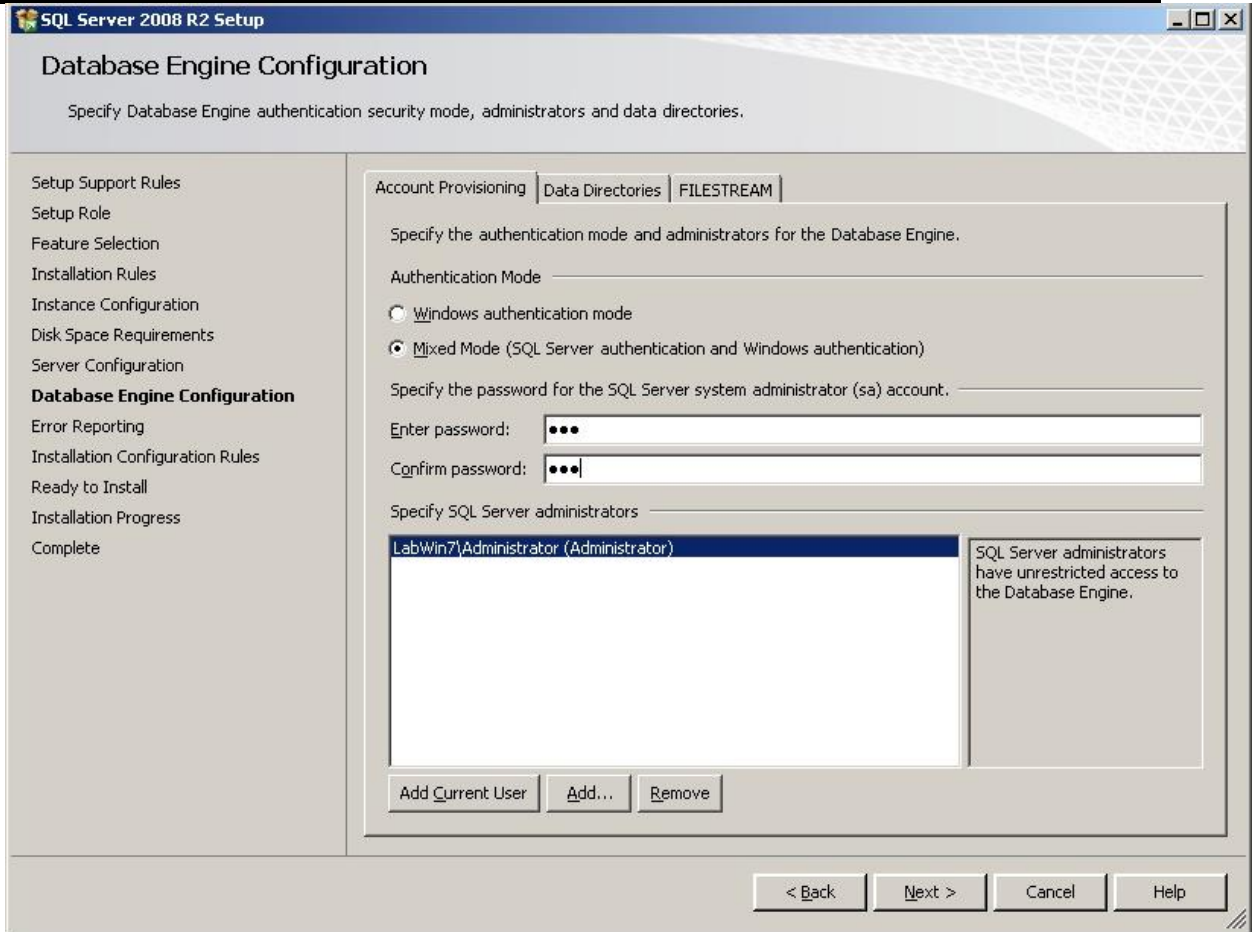
- 24 Click  for the **Database Engine** and change the settings as follows:



- 25 Select the **Windows Collation designator and Sort Order** radio button and then (from the drop-down list) select **Latin 1 General** Language.
- 26 Select the **Binary** checkbox.
- 27 Click the  button to return to the **Collation** tab.



28 Click **Next >**. The **Database Engine Configuration** screen is displayed.





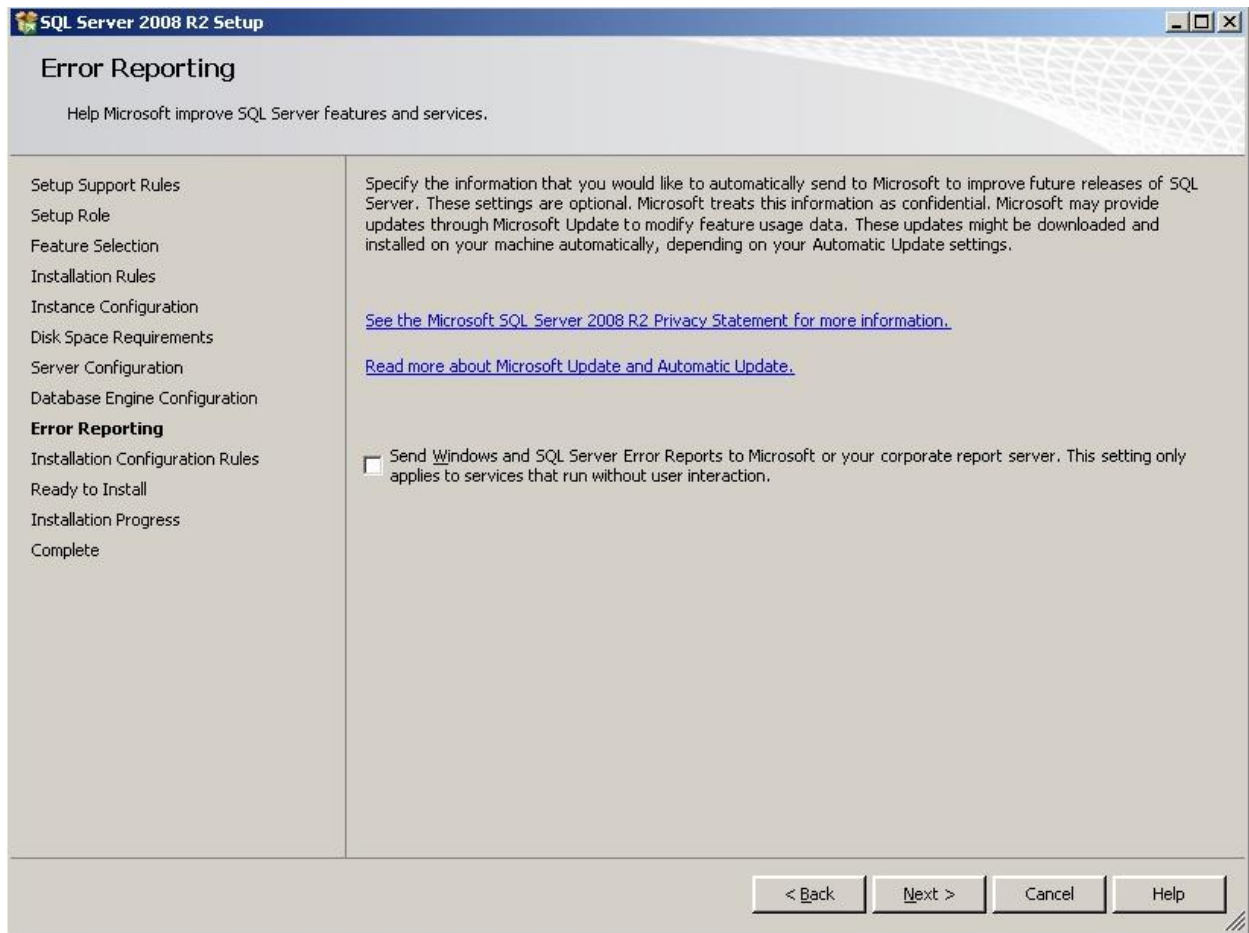
- 29 Select **Mixed Mode (Windows Authentication and SQL Server Authentication)** radio button and enter a valid Password for user “sa”. (*This password will be cleared after the SQL Install. Retailx requires a “blank” sa password only for installs and upgrades.*)



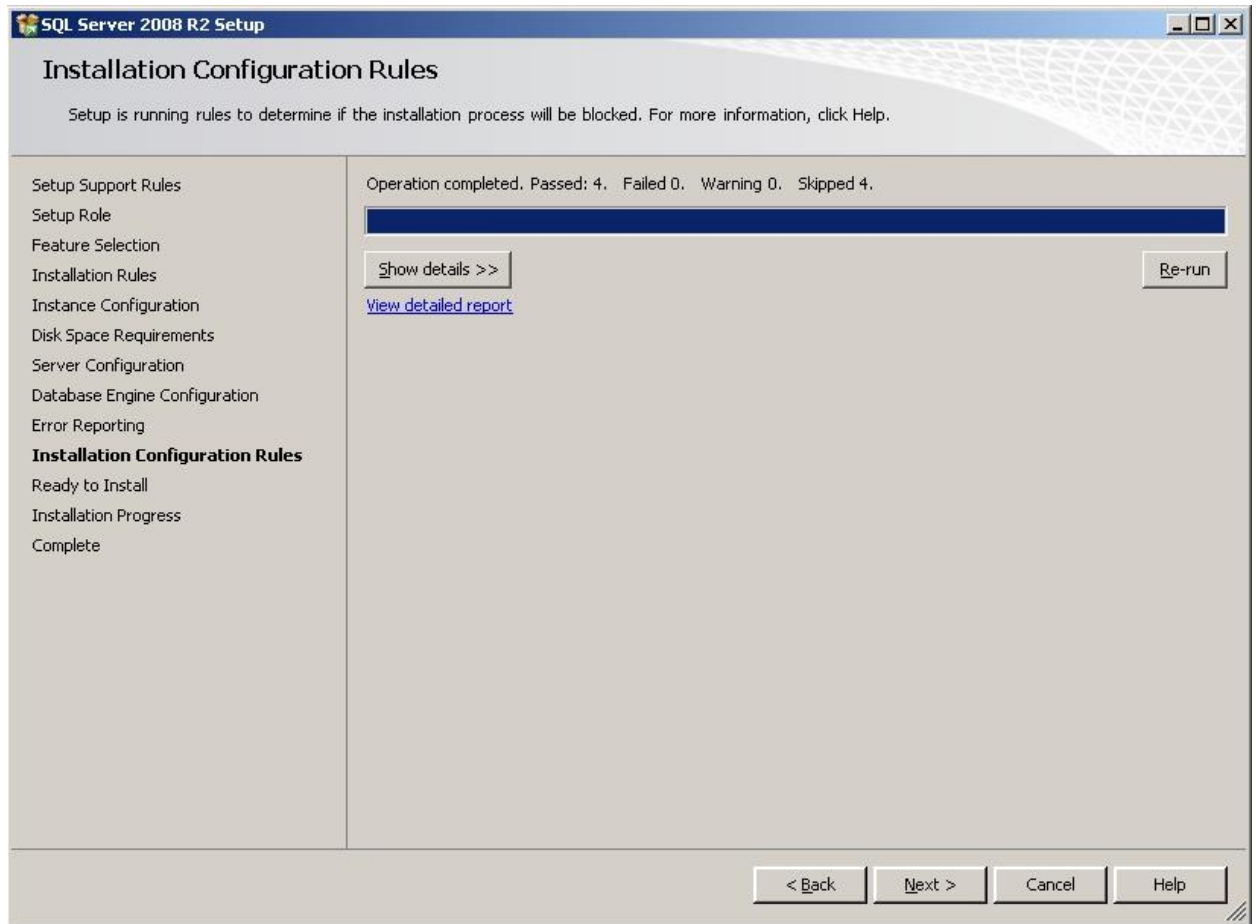
Note:


There are limitations on passwords that can be used:
Password cannot be blank or Null
Password cannot be "Password"
Password cannot be "Admin"
Password cannot be "Administrator"
Password cannot be "SysAdmin"
Password cannot be "sa"
Password cannot contain alpha numeric characters for example: #, % or ^

30 Click  (under Specify SQL Server administrators) and click . The Error and Usage Reporting Screen displays:



31 Click . The **Installation Rules** screen displays.



32 Click the  to view detailed view details.



SQL Server 2008 R2 Setup

Installation Configuration Rules

Setup is running rules to determine if the installation process will be blocked. For more information, click Help.

Setup Support Rules
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



Operation completed. Passed: 4. Failed 0. Warning 0. Skipped 4.

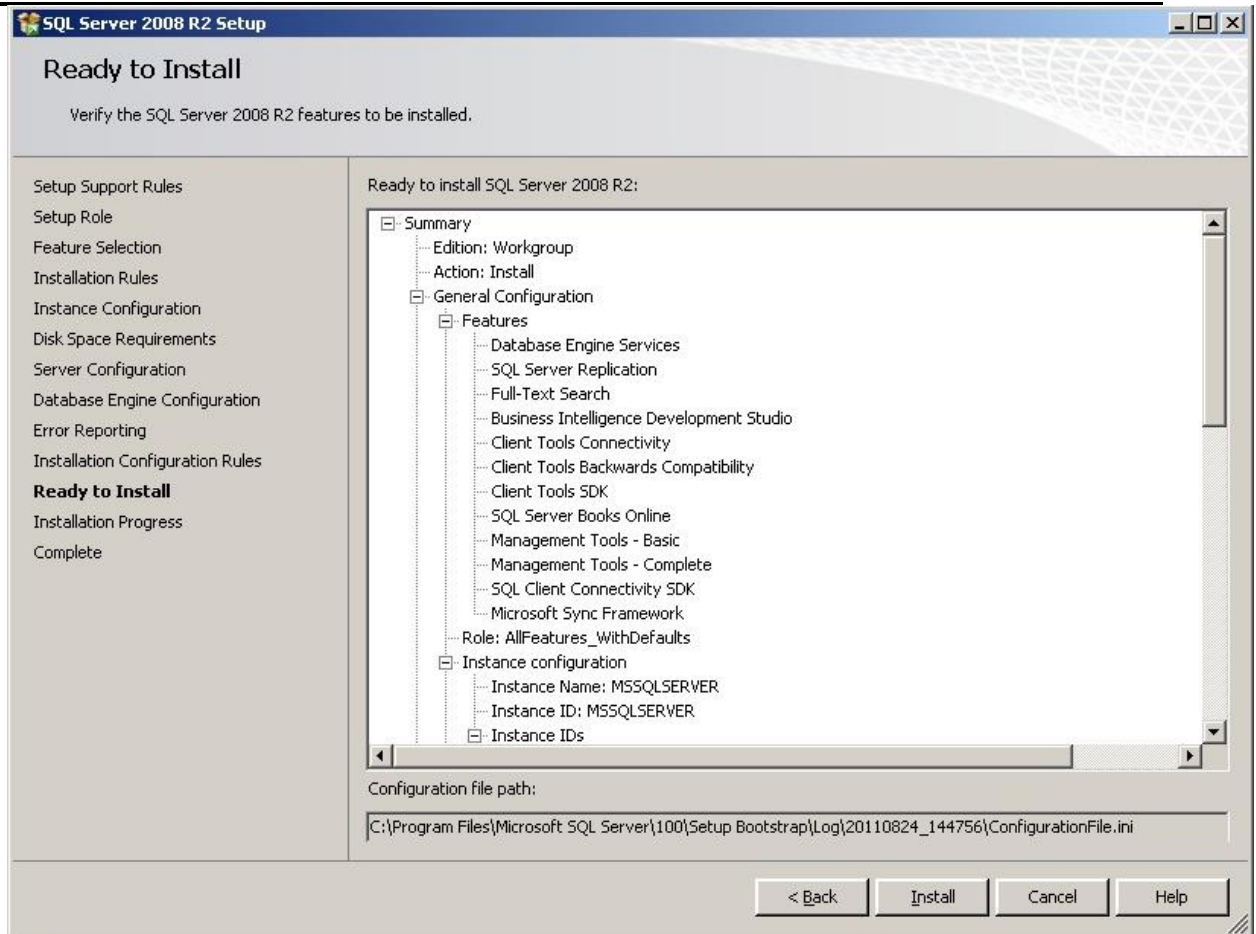
Hide details << Re-run

[View detailed report](#)


Rul	Rule	Status
✓	FAT32 File System	Passed
✓	Instance name	Not applicable
✓	SQL Server 2008 Analysis Services (64-bit) install action	Not applicable
✓	Existing clustered or cluster-prepared instance	Passed
✓	Cross language installation	Passed
✓	Same architecture installation	Passed
✓	Reporting Services Catalog Database File Existence	Not applicable
✓	Reporting Services Catalog Temporary Database File Existence	Not applicable

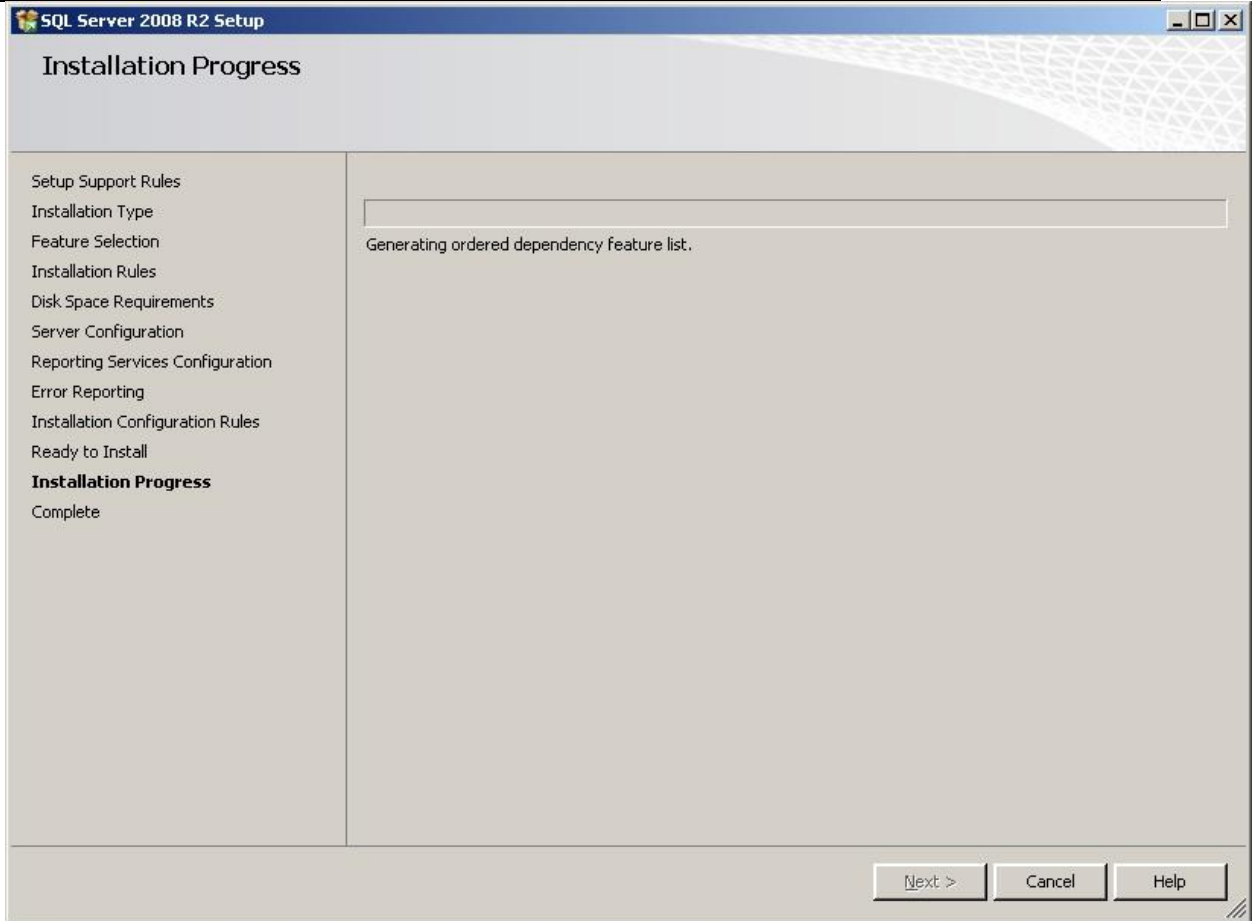
< Back Next > Cancel Help

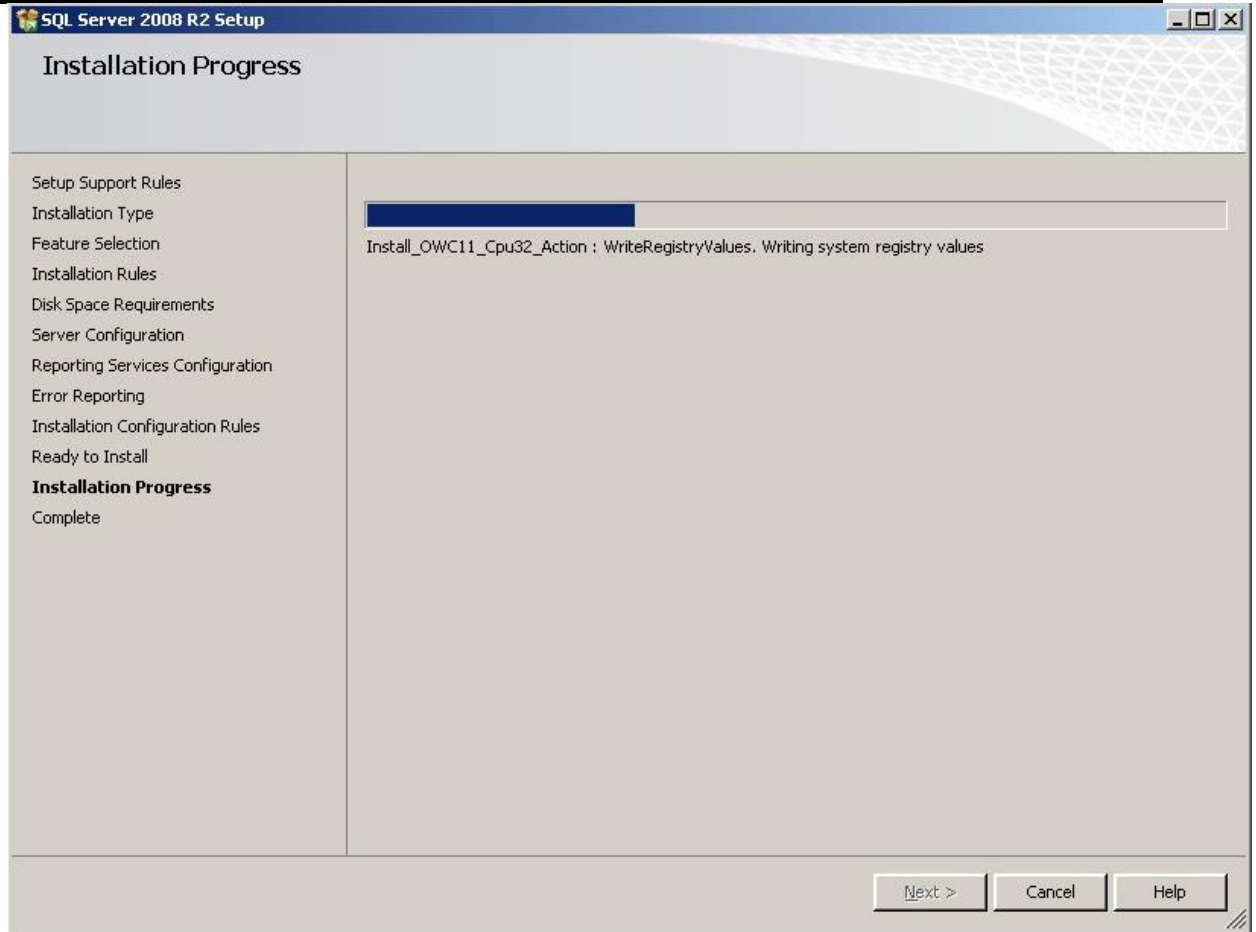
33 Make sure the  is green and click . The **Ready to Install** screen is displayed.



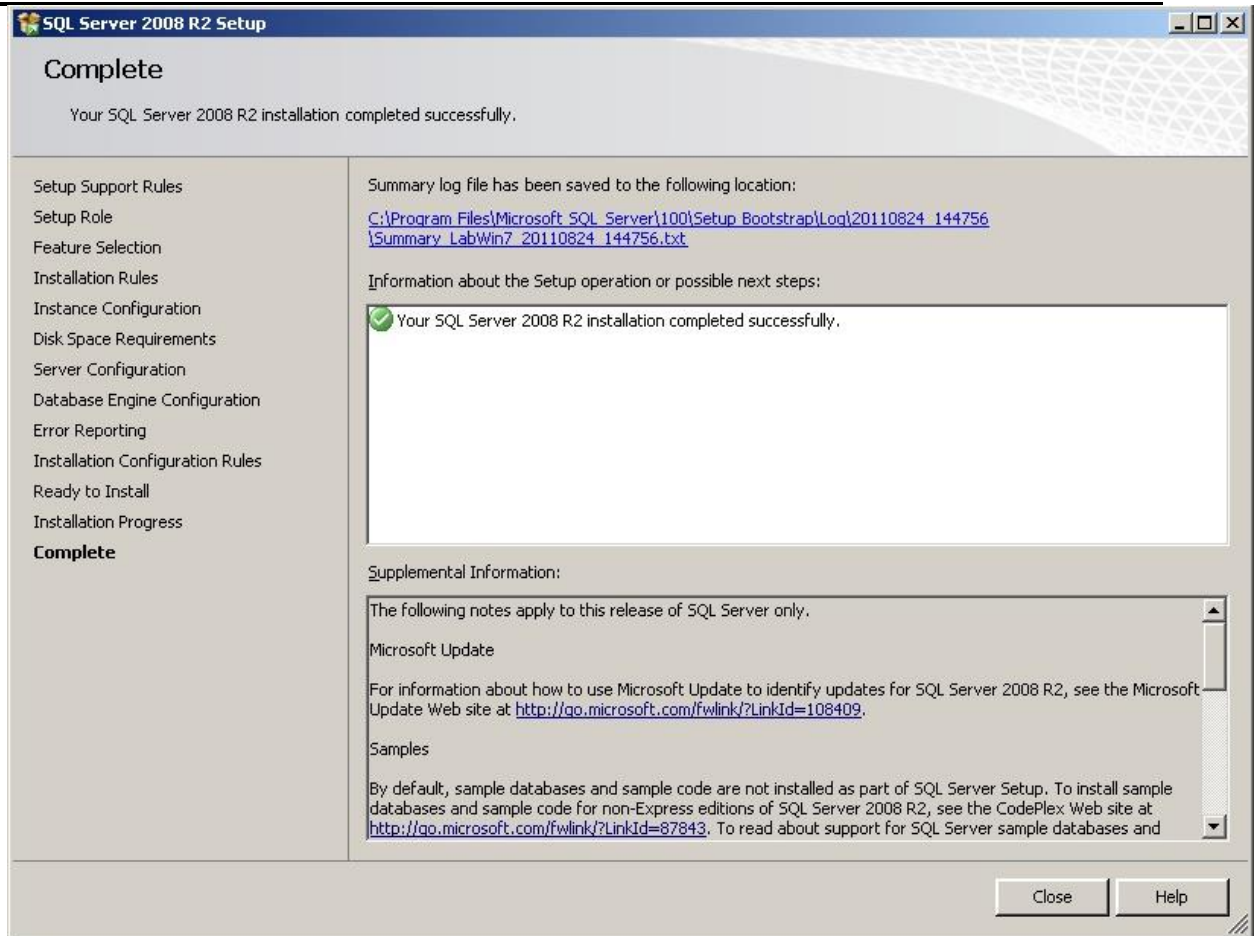
34 Scroll through the summary make sure all settings are correct.

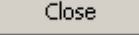
35 Click  to start the SQL installation process, the **Installation Progress** is displays.





36 View the successful details of the install.



- 37 Click  to finish the SQL install. It is recommended that MFS1 be rebooted at this time. You have successfully installed SQL Server 2008 R2 Workgroups.



Reboot the MFS1. The R2 Workgroups installation doesn't require the running of SQL 2008 Service Pack 1.



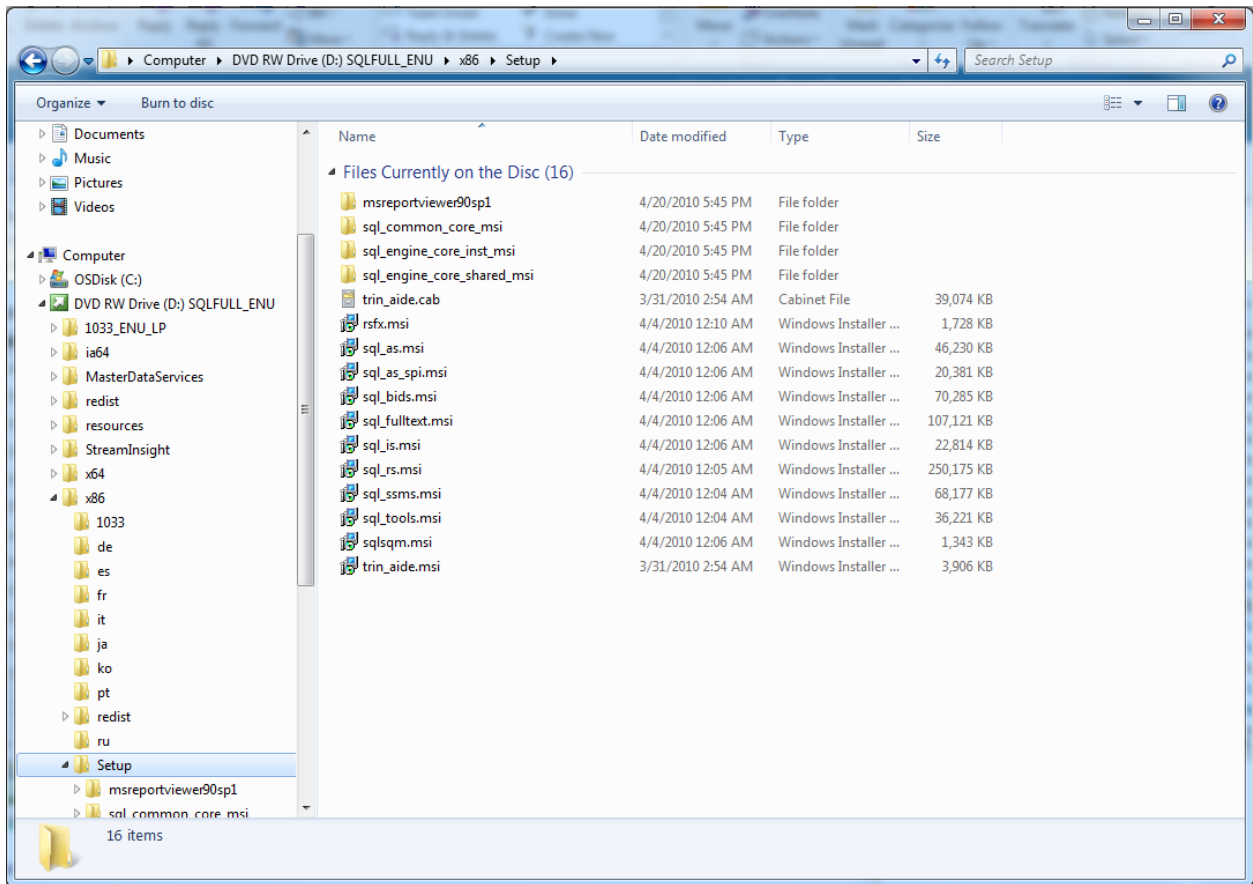
Backwards Compatibility (SQLDMO) SQLServer2005_BC.msi

Note: The SQL Compatibility installs can be found on the ISS45 8.1.8.1-050 Release CD in the \SQLComp\x32 or \SQLComp\x64 sub folders or the SQL Server 2008 Workgroup Edition CD \1033_ENI_LP \x86\setup\x86 for 32bit and \x64\setup\x64 for 64bit.

1. Run SQLServer2005_BC.msi

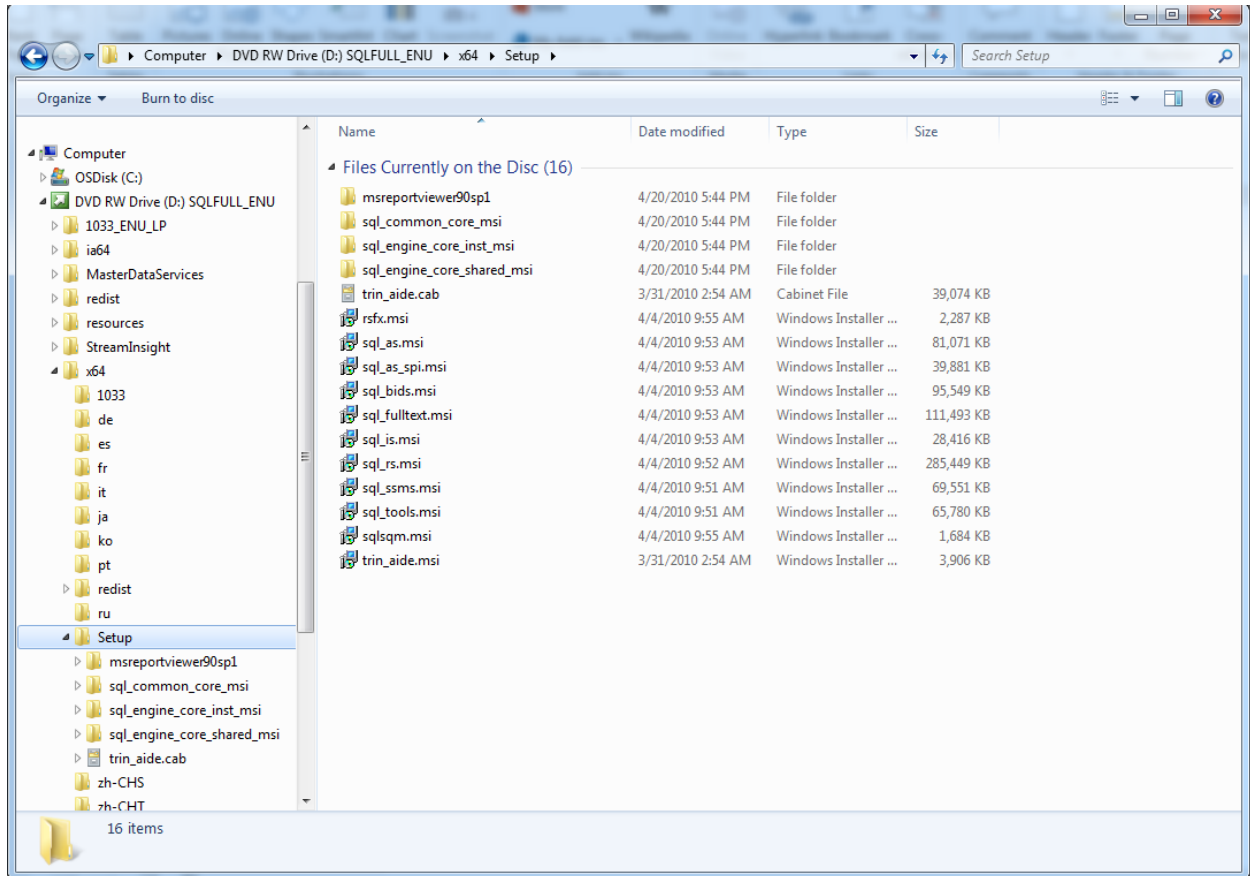
Example from the Workgroups CD

On 32-bit



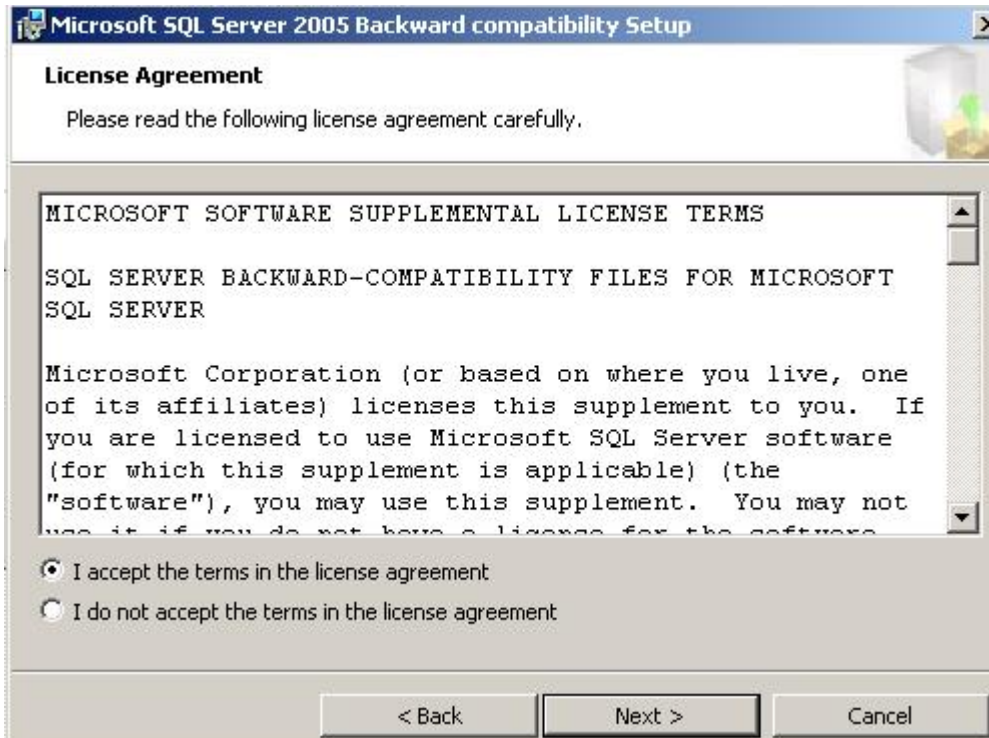


On 64-bit





2. License Agreement – Select radio button “I accept the terms in the license agreement” and click Next.





-
3. Registration Information – Enter your information and then click Next.

A screenshot of the 'Microsoft SQL Server 2005 Backward compatibility Setup' dialog box. The title bar is blue with the text 'Microsoft SQL Server 2005 Backward compatibility Setup'. Below the title bar, the text 'Registration Information' is displayed in bold. Underneath, it says 'The following information will personalize your installation.' followed by a small 3D cube icon. The main area of the dialog is light gray and contains the instruction 'Enter your name and the name of your organization in the fields below.' There are two text input fields: the first is labeled 'Name:' and contains the text 'Windows User'; the second is labeled 'Company:' and is currently empty. At the bottom of the dialog, there are three buttons: '< Back', 'Next >', and 'Cancel'.

Microsoft SQL Server 2005 Backward compatibility Setup

Registration Information

The following information will personalize your installation.

Enter your name and the name of your organization in the fields below.

Name:

Company:

< Back Next > Cancel

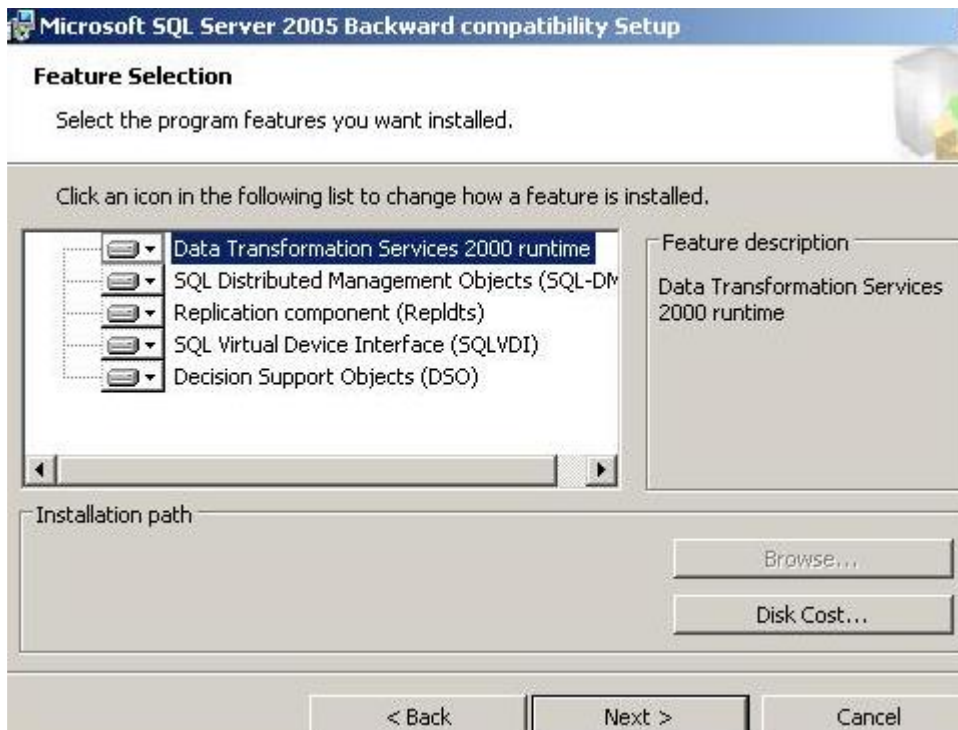


4. Microsoft SQL Server 2005 Backward compatibility Setup – is displayed. Click Next.



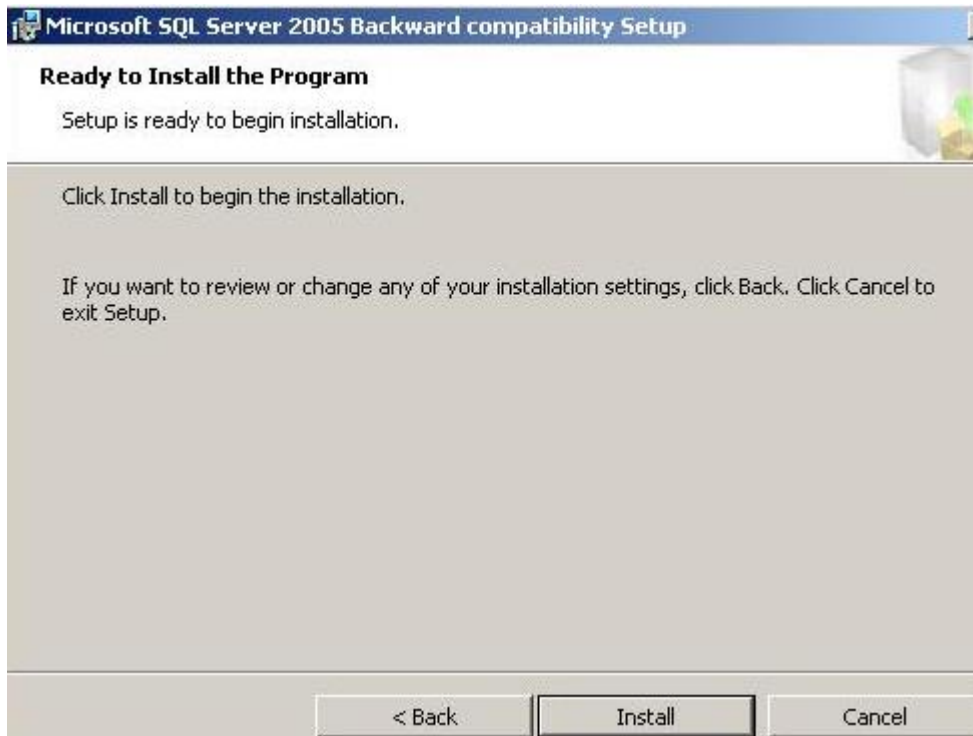


5. Feature Selection – Click Next.





6. Ready to install the Program – Click Install.



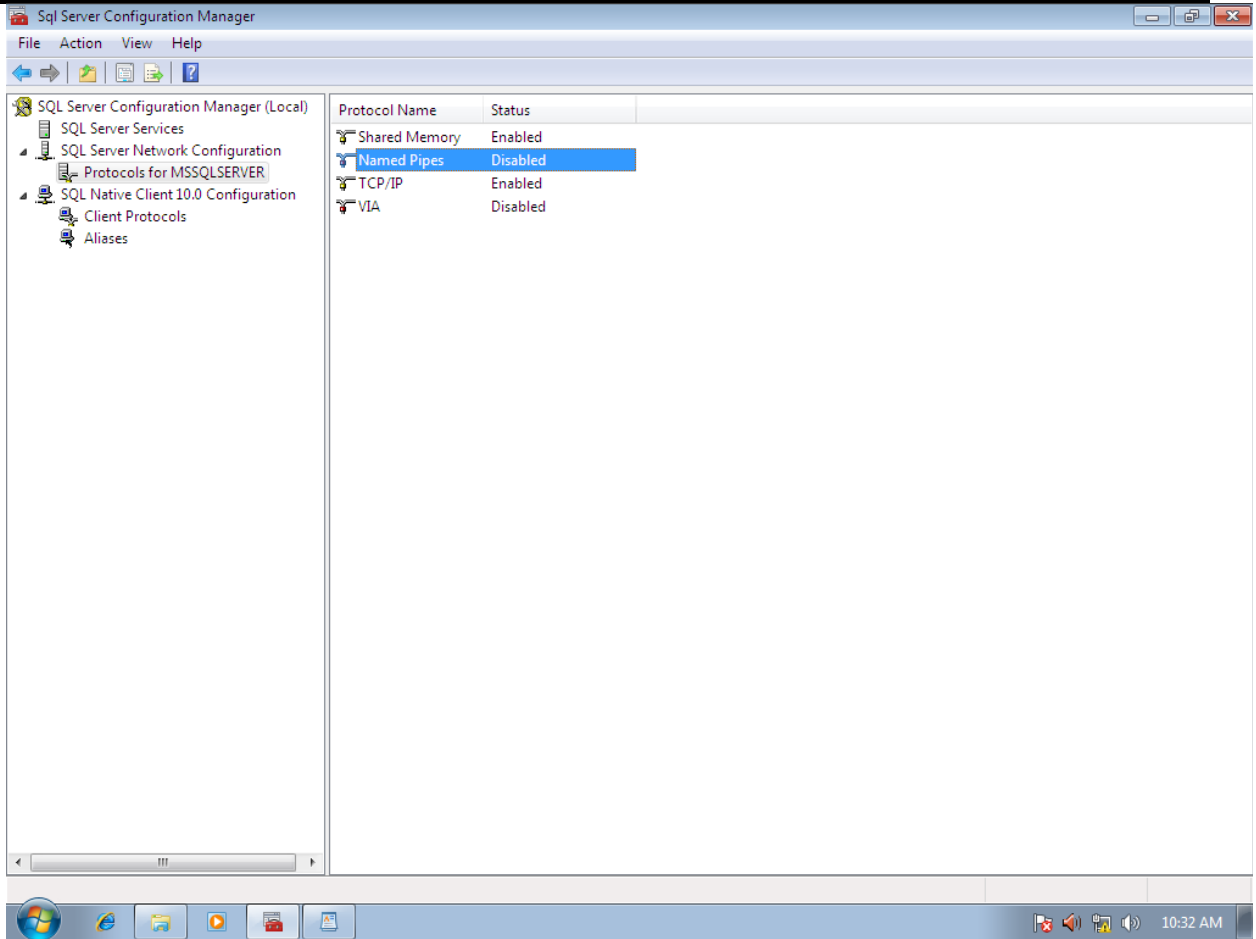
7. Completing the Microsoft SQL Server 2005 Backward compatibility Setup – Click Finish.



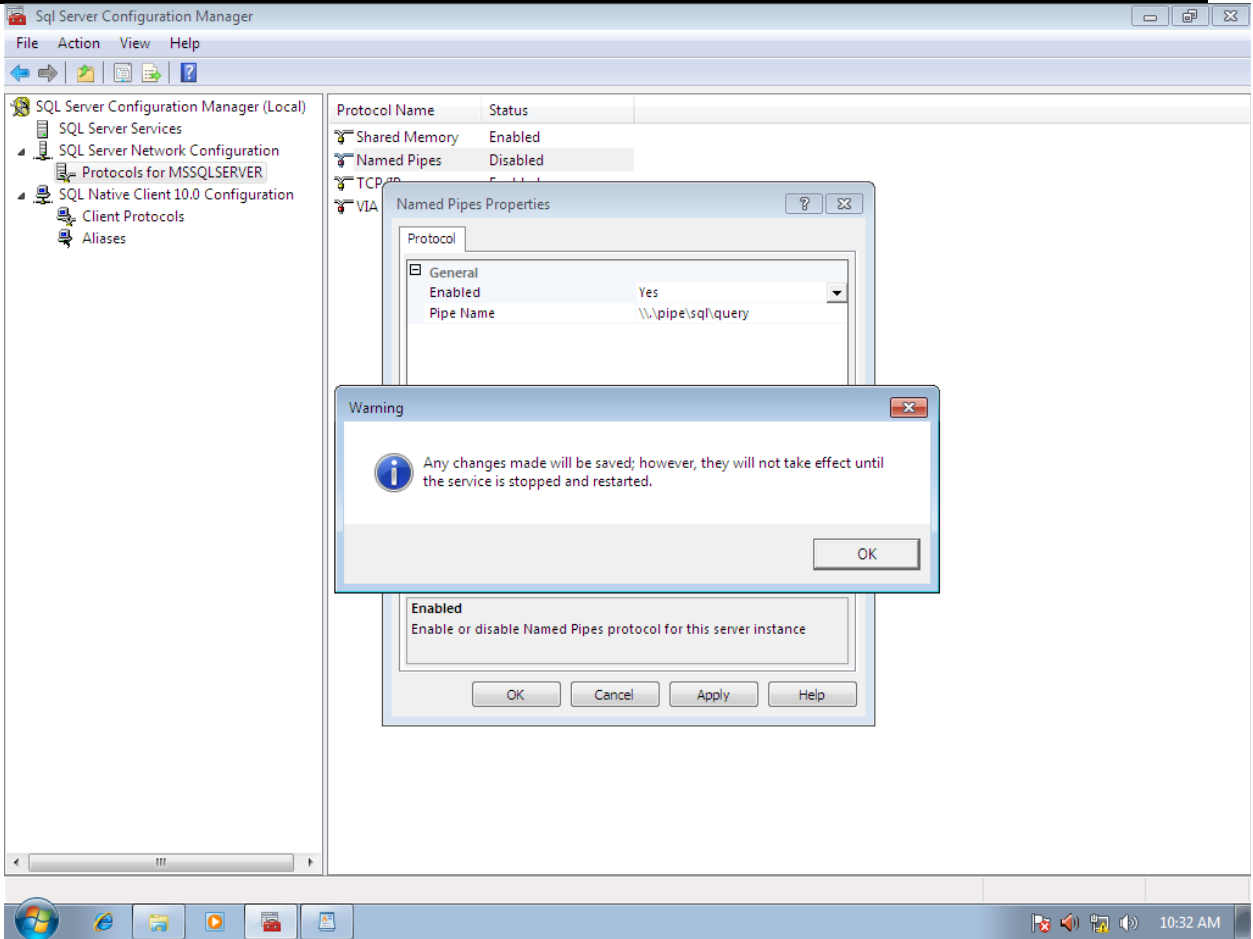
To allow for backwards compatibility with a Windows XP MFS2 or LFS Workstation, a change must be made once the installation of SQL 2008 has been completed. In previous versions of SQL and Windows, Retalix used Named Pipes as the communications protocol for connections to the Front Office database on MFS1.

However, Named Pipes are disabled by default in SQL 2008

1. Click START-> ALL PROGRAMS->MICROSOFT SQL Server 2008->Configuration Tools -> SQL Server Configuration Manager.
2. Open the SQL Server Network Configuration folder.
3. Click on Protocols for MSSQLSERVER



4. Double-click on Named Pipes and change the Enabled value from NO to YES. Click on Apply. Click OK to acknowledge the warning that changes will not take effect until the service is stopped and restarted.



5. Click OK, close all open windows and reboot MFS1.

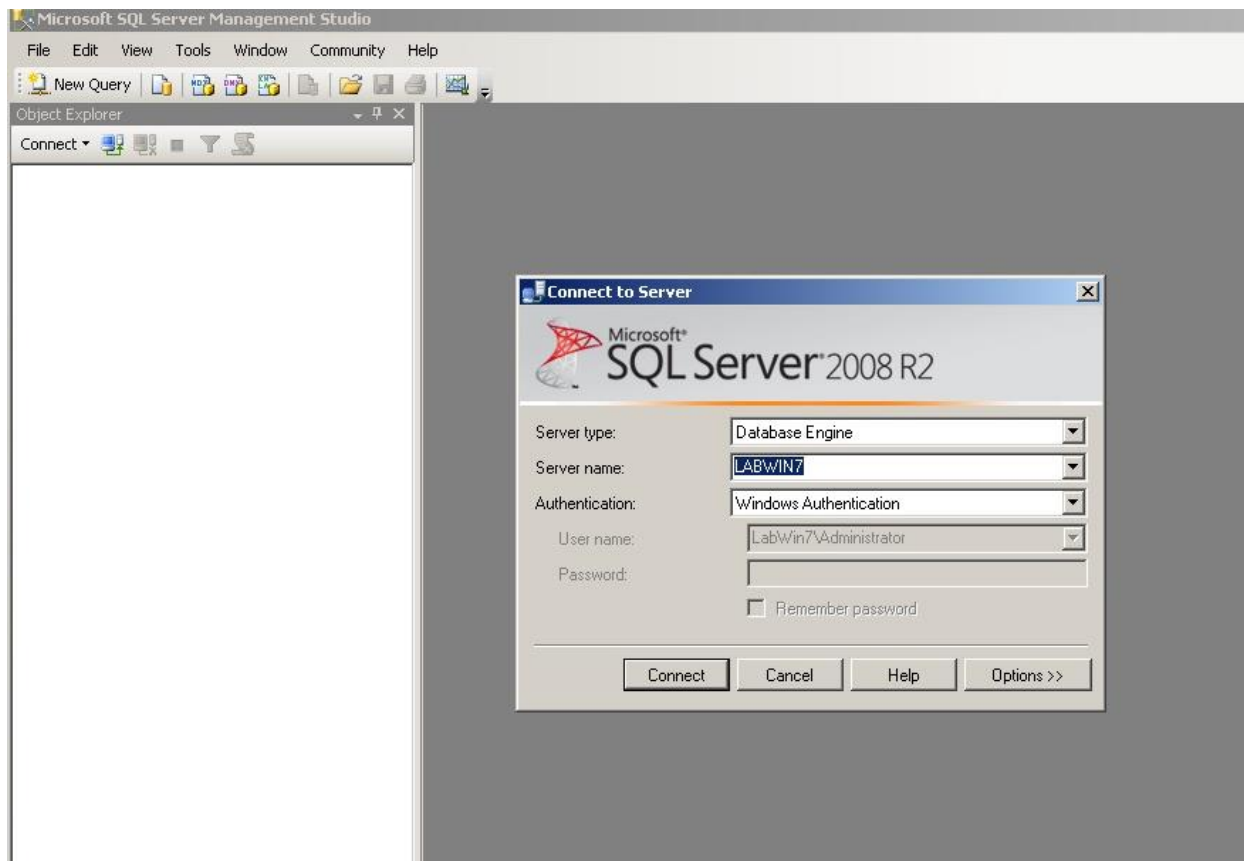


Removing the “sa” Password

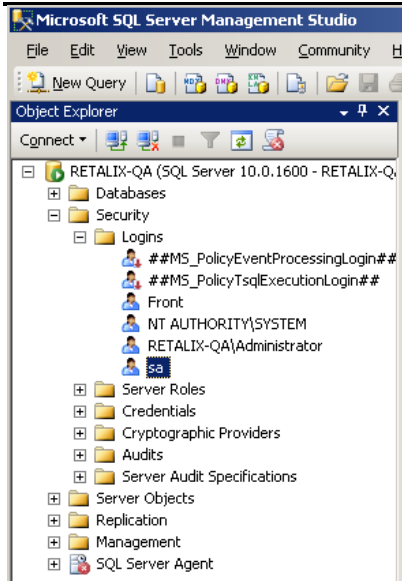
Note:

During the SQL Server 2008 installation the “sa” password was established in order to complete the SQL installation. Follow these steps to remove that password so that ISS45 may be installed. Once ISS45 is installed the “sa” password may be set again.

- 1 Open Microsoft SQL Server Management Studio. Click .



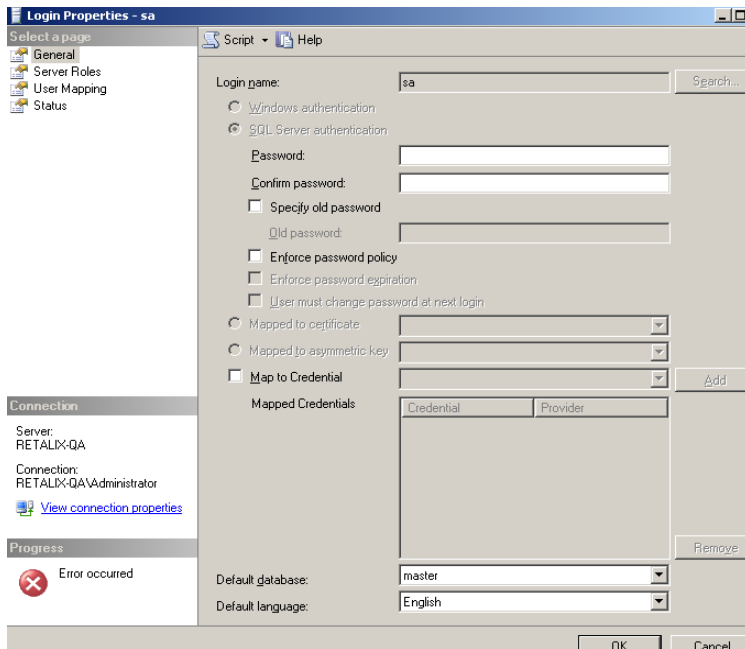
- 2 In **Object Explorer**, navigate to Security/Logins and double click on “sa”.



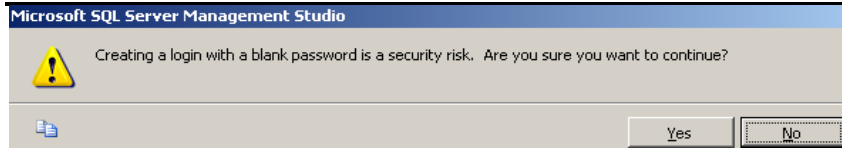
3 On the **Login Properties – sa** screen, blank out the password field

and the confirm password field

Also uncheck Enforce password policy Enforce password policy. Then click **OK**.



4 After clicking **OK** in step 3, a new box will appear. Click .



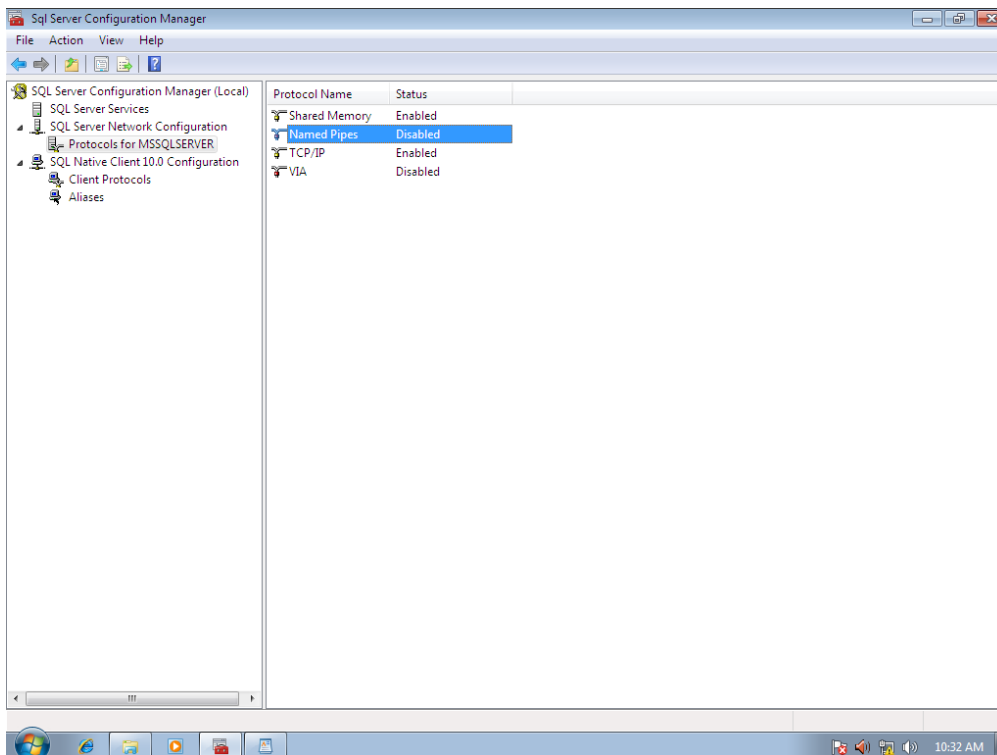
The removal of the “sa” password is now be complete.



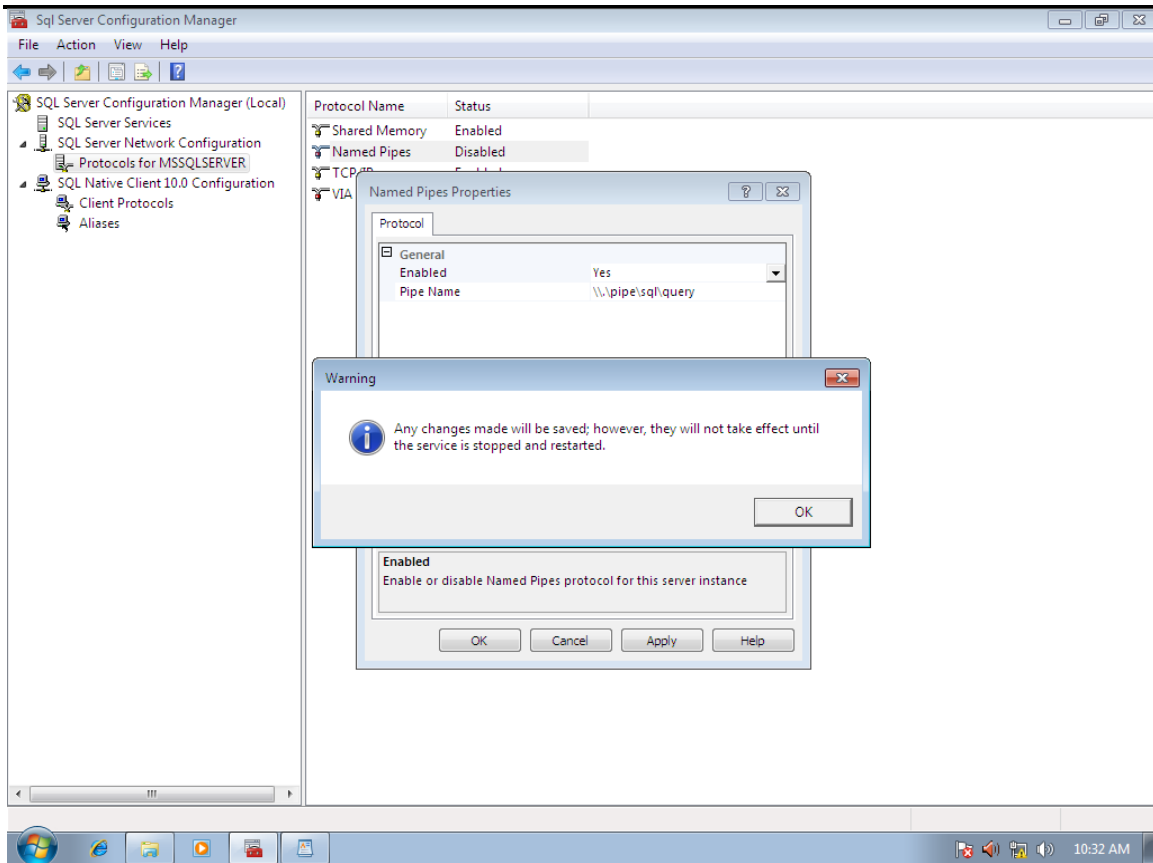
Enable Named Pipes

To allow for backwards compatibility with a Windows XP MFS2 or LFS Workstation, a change must be made once the installation of SQL 2008 has been completed. In previous versions of SQL and Windows, Retalix used Named Pipes as the communications protocol for connections to the Front Office database on MFS1. However, Named Pipes are disabled by default in SQL 2008

- 1 Click START-> ALL PROGRAMS->MICROSOFT SQL Server 2008 R2-> Configuration Tools -> SQL Server Configuration Manager.
- 2 Open the **SQL Server Network Configuration** folder.
- 3 Click on **Protocols for MSSQLSERVER**.



- 4 Double-click on Named Pipes and change the Enabled value from NO to YES. Click on **Apply**. Click **OK** to acknowledge the warning that changes will not take effect until the service is stopped and restarted.



5 Click **OK**, close all open windows and reboot MFS1.

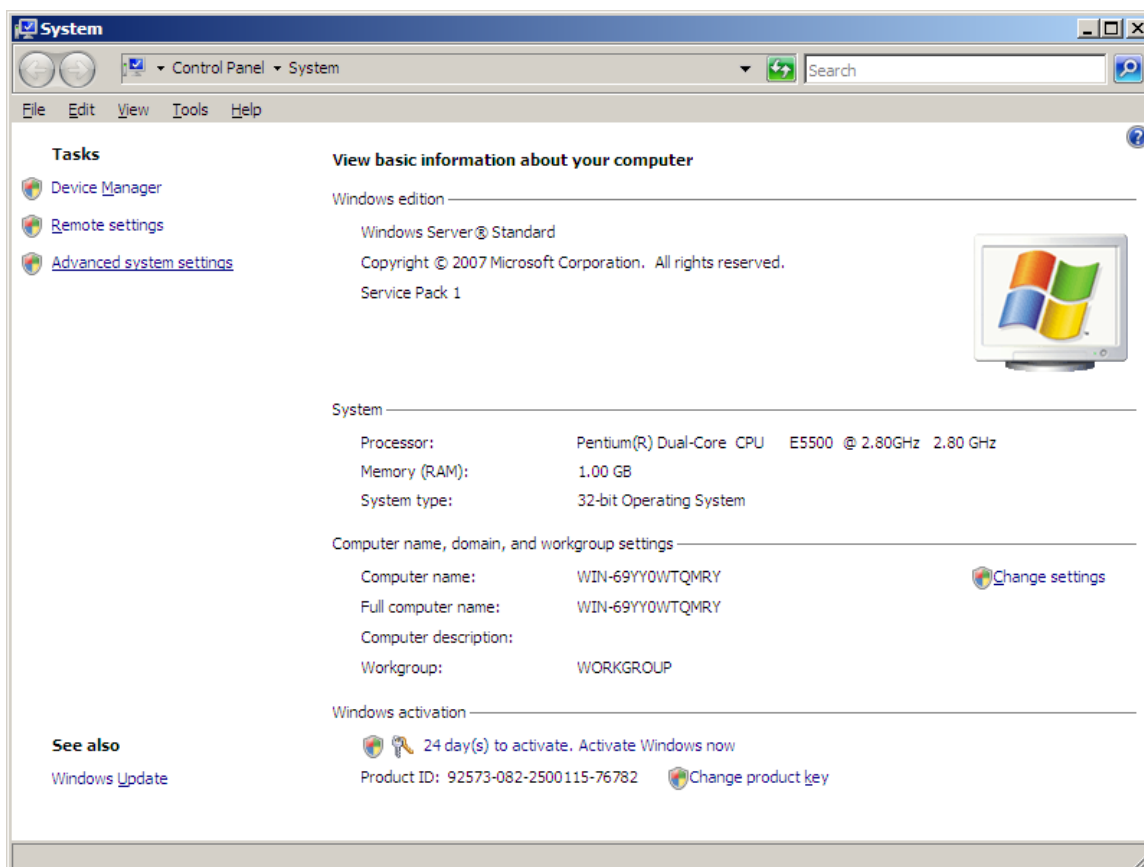


Disable Data Execution Prevention (DEP)

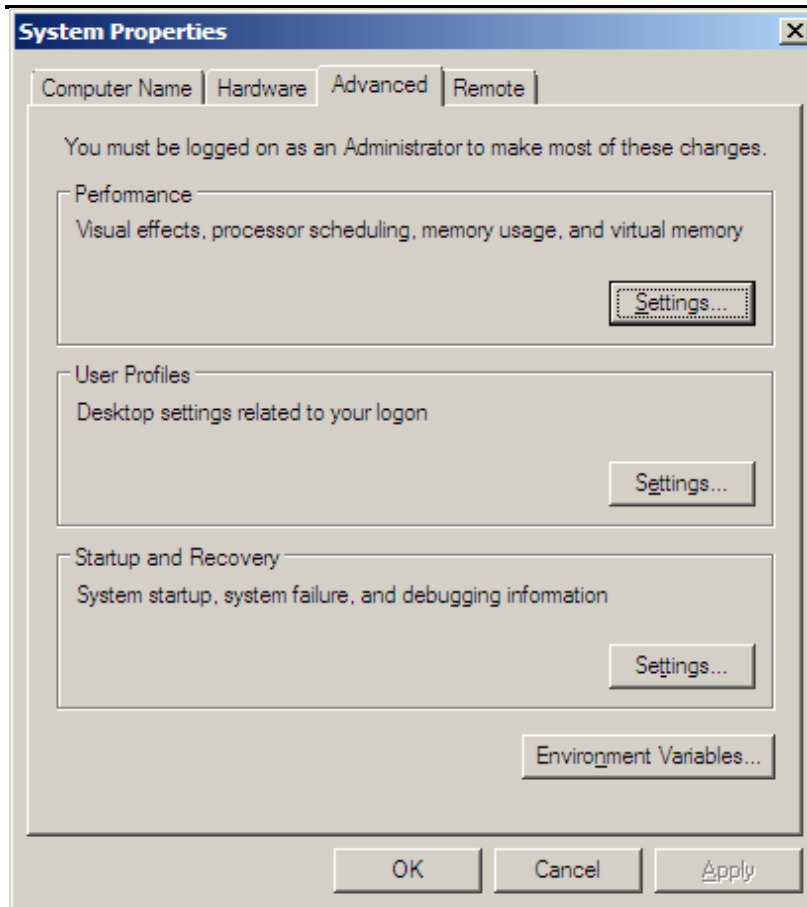
It is recommended that DEP be completely disabled on all Retalix PC's.

DEP can be turned on for all applications, turned on for only certain applications or can be completely turned off.

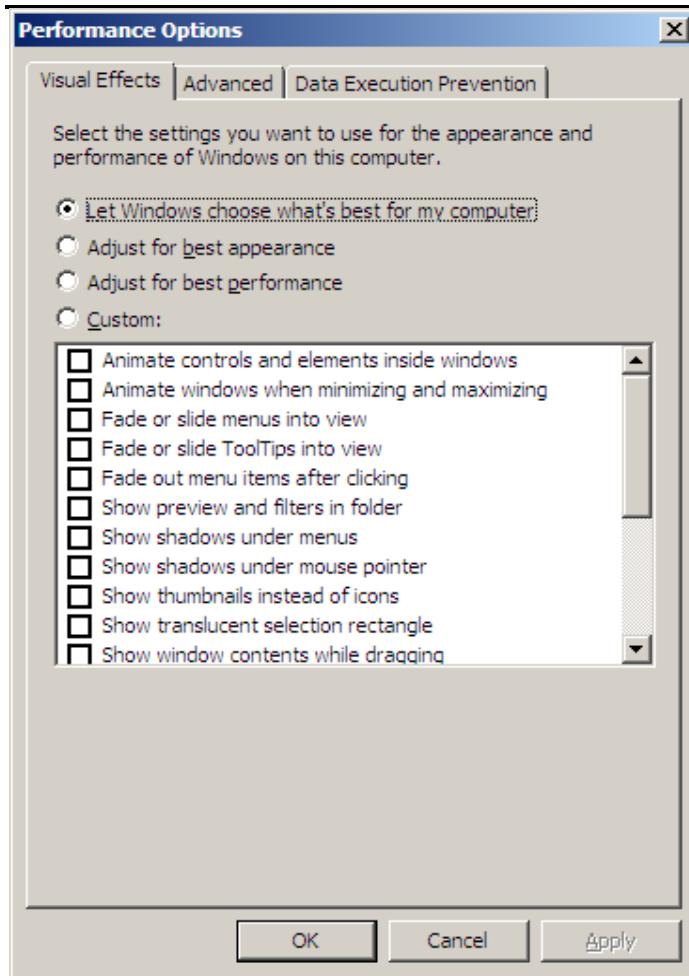
DEP settings can be changed through the GUI application but a command level script must be run to completely disable the application.



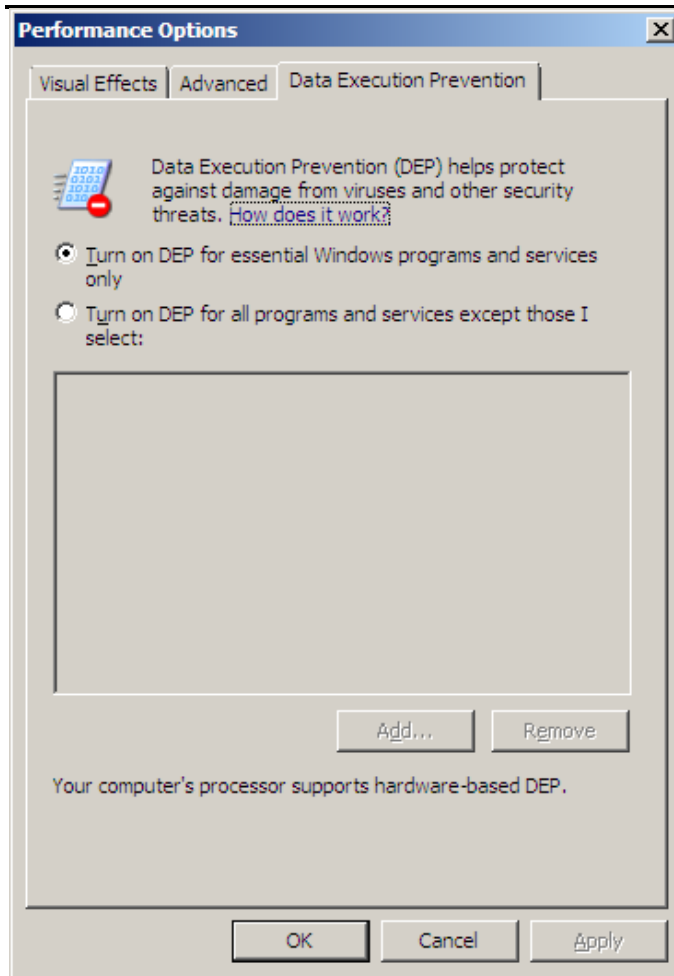
- 1 Check the current settings for DEP by opening the System application as shown below then click on Advanced system settings.



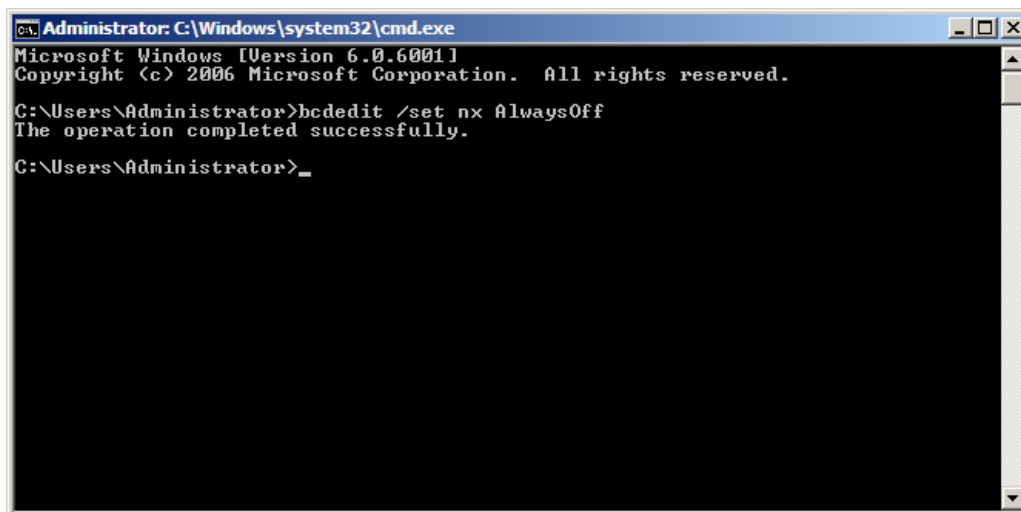
- 2 Click on the **Advanced** Tab followed by **Settings** in the Performance section.



- 3 Click on the **Data Execution Prevention** Tab.

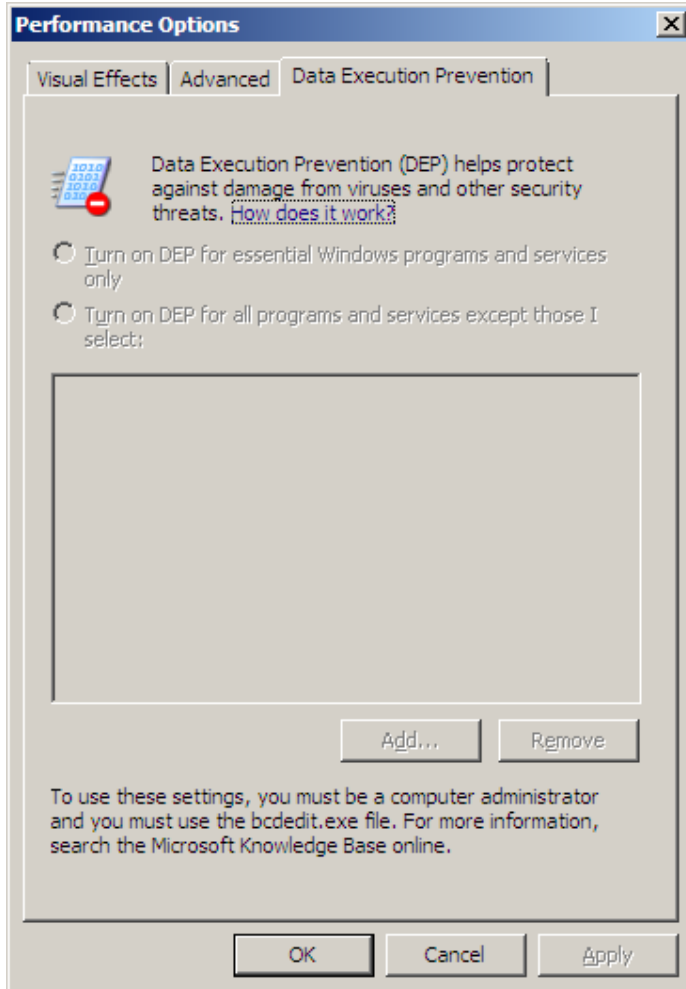


- 4 In the above example DEP is turned on for essential programs and services only.





- 5 Open a Command Line window and enter **bcdedit /set nx AlwaysOff**.
- 6 Reboot the PC and then check the status of DEP.



- 7 Note both options are now grayed out above. This indicates that DEP is completely disabled for this machine.



© NCR Corporation, 2016

NCR endeavors to ensure that the information in this document is correct and fairly stated but does not accept liability for any error or omission.

The development of NCR products and services is continuous and published information may not be up to date. It is important to check the current position with NCR. This document is not part of a contract or license, save insofar as may be expressly agreed.

NCR Corporation
2651 Satellite Blvd.
Duluth, GA 30096

P/N 89000879
PIN 45001/032