

Microsoft[®] Windows[®]
Small Business Server 2003 R2
With SP2
Important Information



Notes and Notices



NOTE: A NOTE indicates important information that helps you make better use of your computer.



NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

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This document provides important information about Microsoft® Windows® Small Business Server 2003 R2 with SP2 on your system.

This document covers the following topics:

- Minimum supported BIOS and BMC versions
- Firmware and driver versions for supported RAID controllers
- Minimum BIOS requirements for Execute Disable (XD) and Enhanced Intel® SpeedStep® Technology 6 (EIST) support
- Known issues
- Additional support information for Windows Small Business Server 2003

Minimum Supported BIOS and BMC Versions

Table 1-1 provides a list of Dell™ PowerEdge™ systems that support Windows Small Business Server 2003 R2 with SP2 and the minimum supported versions of the BIOS and BMC firmware.

Table 1-1. Minimum Supported BIOS and BMC Versions

Dell PowerEdge System	BIOS Version	BMC Version
Current Systems		
800	A03	A06
830	A04	A04
840	A02	A02
860	A02	A02
1800	A07	A08
1900	1.2.0	A02
1950	1.2.0	A06
2800	A06	A09
2900	1.2.0	A04
2950	1.2.0	A04
SC420	A02	
SC430	A04	
SC440	1.2.0	

Table 1-1. Minimum Supported BIOS and BMC Versions (continued)

Dell PowerEdge System	BIOS Version	BMC Version
SC1420	A04	
SC1430	1.1.0	
Earlier Systems		
400SC	A10	
500SC (Standard Edition only)	A07	
600SC	A09	
700	A06	
1500SC	A06	
1600SC	A12	
2400	A09	
2500	A07	
2600	A14	
4400	A11	
4600 (Premium Edition only)	A13	

Firmware and Driver Versions for Supported RAID Controllers

Table 1-2 lists the minimum supported system firmware and driver versions for supported RAID controllers.

Table 1-2. Supported Storage Drivers and Firmware

Product and Supported Platforms	Firmware Version	Driver Version
SAS 5/e	00.10.49.00.06.12.02.00	1.24.04.00
SAS 5/i	00.10.49.00.06.12.02.00	1.24.04.00
SAS 5/iR	00.10.49.00.06.12.02.00	1.24.04.00
PERC 5/e	5.1.1-0040	2.8.0.32

Table 1-2. Supported Storage Drivers and Firmware (continued)

Product and Supported Platforms	Firmware Version	Driver Version
PERC 5/i	5.0.2-0003	2.8.0.32
Adaptec 39320A	4.30.1	3.0.0.0
PERC 4e/DC	522A	6.46.2.32
PERC 4e/Di	522A	6.46.2.32
PERC 4e/DC	522A	6.46.2.32
PERC 4/SC	352B	6.46.2.32
PERC 4/DC	352B	6.46.2.32
PERC 4/Di	252A	6.46.2.32
PERC 3/SC	199A	6.46.2.32
PERC 3/DC	199A	6.46.2.32
PERC 3/DCL	199A	6.46.2.32
PERC 3/QC	199A	6.46.2.32
PERC 3/Di	2.8.1.6098	2.8.0.6085
PERC 3/Si	2.8.1.6098	2.8.0.6085
PERC 2/Si (PE2400)	2.8.1.6098	2.8.0.6085
PERC 2/SC	3.13	6.46.2.32
PERC 2/DC	1.06	6.46.2.32
PERC 320/DC	5813	5810
U320 SCSI RAID 0 or 1	4.30	3
39160	3.1	6.4.630.100
39320	4.30.4S5	2.0.38
1020/1030 embedded	1.03.23	1.09.11
(CERC) SATA 2s	N/A	6.0.50.5
CERC SATA 1.5/6CH	4.1.0.7417	4.1.1.7040
CERC ATA 100/4CH	6.67	6.46.2.32

NOTE: The drivers and firmware are located on the *Dell PowerEdge Service and Diagnostic Utilities* CD or the *System Support* CD, and at the Dell Support website at support.dell.com.

Minimum BIOS Requirements for Execute Disable (XD) and Enhanced Intel SpeedStep Technology 6 (EIST) Support

Table 1-3 provides a list of Dell PowerEdge systems that support Windows Small Business Server 2003 R2 with SP2 and the minimum BIOS requirements for XD and EIST support.

Table 1-3. Minimum BIOS Requirements for XD and EIST Support on Dell PowerEdge Servers

Dell PowerEdge System	Minimum BIOS revision required for XD support	Minimum BIOS revision required for EIST support
830	A04	A04
840	A02	A02
860	A02	A02
1800	A07	A07
1900	1.2.0	1.2.0
1950	1.2.0	1.2.0
2800	A06	A06
2900	1.2.0	1.2.0
2950	1.2.0	1.2.0
SC430	A04	A04
SC440	1.2.0	1.2.0
SC1420	A04	EIST not supported
SC1430	1.1.0	1.1.0

Known Issues

Event Log Errors During Uninstallation of the R2 Components

During uninstallation of the R2 components in Windows Small Business Server 2003 R2, event log errors may occur. Many of these errors are expected events and do not affect system performance or data integrity. Specific event log entries are listed below:

1001 Server Status Reports: There was a fatal error during synchronization of the Update Services groups with Group Policy or with moving Unassigned computers.

1 SQL Browser: The SQL configuration for SQL is inaccessible or invalid.

Microsoft Management Console Error With SQL Server Configuration Manager

If you go to **My Computer**→**Manage**→**Computer Management** and click on the **Services and Applications** option, the following error may occur:

SQL Server Configuration Manager: MMC has detected an error in a snap-in. It is recommended that you shut down and restart MMC.

This error does not affect the functionality of the application. You can dismiss the error by selecting **Continue running and ignore errors with this snap-in for the rest of the session** and clicking **OK**.

Recommended System Partition Sizes

Due to the storage requirements for the Microsoft® Exchange and Microsoft Windows Server® Update Service (WSUS) features included in Microsoft Windows® Small Business Server 2003 R2, Microsoft recommends a system partition size of 25 GB. If you are upgrading from previous versions of Windows Small Business Server running on smaller partitions, you are advised to perform a complete back-up of system and application data and reinstall Windows Small Business Server 2003 R2 on a larger partition.



NOTE: If you have Windows Small Business Server 2003 installed on your system with a 12 GB partition and you are upgrading to the Windows Small Business Server 2003 R2 edition, you need 8 GB of additional disk space (in any partition) to install WSUS.

Unsupported Number of Processors Warning

Windows Small Business Server 2003 R2 is supported only on Dell™ dual-socket servers, including those running two single-core or dual-core processors, with or without hyper-threading enabled. During installation of Windows Small Business Server 2003 R2, you may receive a warning message indicating that an unsupported number of processors are detected on the server.

For more information on the supported processors, refer to the Microsoft Knowledge Base article at <http://support.microsoft.com/?kbid=909382>.

Event Log Errors During Installation

During installation of Windows Small Business Server 2003 R2, event log errors may occur. Many of these errors are expected events and do not affect system performance or data integrity. Specific event log entries are listed below:

10005 MsiInstaller error after installing Exchange Server Service Pack 2

1101 .NET Runtime Optimization after installation of SQL Server 2005

256 Plug and Play notification

1000 Windows Sharepoint Server (Unable to connect to the database STS_Config)

Identifying Windows Small Business Server 2003 R2

Windows Small Business Server 2003 R2 has an enhanced set of features added to the Windows Small Business Server 2003 Service Pack 1 operating system. As a result, Dell OpenManage™ products and Dell peripherals may identify the operating system as Windows Small Business Server 2003 Service Pack 1, not as Windows Small Business Server 2003 R2. To ensure that you are running the Windows Small Business Server 2003 R2 version, click **Start**→

Server Management. The home page banner correctly identifies the version of Windows Small Business Server 2003 currently running on the system.

Page File Size Warning During Operating System Setup

During setup of Windows Small Business Server 2003 R2, the following warning may be displayed:

Your paging file size may be insufficient

Although this warning does not block the progress of your operating system installation, for better performance, it is recommended that you allow your system to choose a more appropriate paging file size.

To modify the paging file size:

- 1 Click **Start**→ **Control Panel**→ **System**→ **Advanced**→ **Performance**→ **Advanced** tab.
- 2 In the **Virtual Memory** section, select **Change**.
- 3 Click **System Managed Size**. This change may require you to reboot your server.
- 4 Double-click the **Setup** desktop icon to resume your operating system setup after the reboot.

DEP Event Causes a Debugger Window to Appear in Windows Small Business Server 2003 R2 Premium Edition Installations

Windows Small Business Server 2003 R2 supports hardware Data Execution Prevention (DEP) technology. If DEP is installed on your system, it prevents the execution of malicious code. However, during the installation of Windows Small Business Server 2003 R2 Premium Edition, the default Dr. Watson debugger is replaced by the Visual Studio Just In Time Debugger.

Therefore, if a data execution error exists, Windows Small Business Server 2003 R2 Premium Edition users are prompted to debug the application code error instead of encountering a Dr. Watson notification dialog box. In either case, the suspected malicious code is prevented from executing.

For further information on DEP, refer to the Microsoft Knowledge Base article at <http://support.microsoft.com/kb/875352>.

ISA Server Stops Functioning in Systems Using Dual Core Processors

You have an option to install Microsoft's Internet and Security Acceleration (ISA) Server 2004 on your system running Windows Small Business Server 2003 Premium Edition. If your server is configured with dual-core processors and has hyperthreading enabled, the ISA Server 2004 may stop functioning and displays the error:

The system has more than 4 processors.

To workaroud this issue, it is recommended that you install the latest ISA service pack. For additional information about the service pack, see the Microsoft websites at <http://support.microsoft.com/?id=884569> and <http://support.microsoft.com/kb/891024/>.

Migrating to SQL Server 2005 From Previous Versions

If you are using Microsoft SQL Server™ on your system running Windows Small Business Server 2003, you are advised to migrate and *not* upgrade, to Microsoft SQL Server 2005.



NOTE: There are significant feature differences and enhancements in the Microsoft SQL Server 2005 Workgroup Edition (shipped with the Windows Small Business Server 2003 R2 Premium Edition), when compared to the Microsoft SQL Server 2000 Standard Edition (shipped with the Windows Small Business Server 2003 Service Pack 1 Premium Edition and prior versions).

It is recommended that you do the following before migrating or upgrading:

- Backup your data
- Carefully consider your application upgrade and data migration strategy
- Thoroughly test it in a non-production environment

For a comparison of features between SQL Server 2005 Workgroup and SQL 2000 Standard and links to additional information, see the Microsoft Windows Small Business Server SQL reference at <http://www.microsoft.com/windowsserver2003/sbs/evaluation/faq/sql2005.msp>.

For SQL Server 2005 information and support, see the Microsoft website at <http://www.support.microsoft.com/ph/2855>.

Removing the Network Cable Causes Long System Boot Time

Removing the network cable and rebooting your system running Windows Small Business Server 2003 R2 results in an extremely slow boot process. Once the cable is reconnected, restart your system and the boot process will proceed normally. A faulty network adapter or network cable may cause similar symptoms, which requires you to repair the hardware issue and restart your system.

Network Installation Not Supported

Microsoft does not support installation of Windows Small Business Server 2003 R2 over the network or from a remote CD drive using Microsoft operating system media. To workaround this issue, it is recommended that you install Windows Small Business Server 2003 R2 using the *Dell PowerEdge™ Installation and Server Management* media along with the Microsoft operating system media from a local drive.

Microsoft Exchange Server Online Help Application May Contain Script Errors

After you have installed Windows Small Business Server 2003 R2 operating system (which includes Exchange Server service pack 2), Exchange Server service pack 2 attempts to connect to the Online Help application and may generate one or more script error messages. It is recommended that you select **Yes** at these prompts to continue running the scripts. After clearing these errors, Exchange Server Online Help displays normally.

Additional Support Information for Windows Small Business Server 2003

This section provides information about Dell PowerEdge™ systems running Windows 2000, Windows Server 2003, or the Windows Small Business Server 2003 operating system.

Your system may crash (blue screen) if the `SCSIPOINT.SYS` driver is configured with the following files:

- Adaptec `AARICH.SYS` version 2.7.1 or later
- Qlogic `ql2300.sys` version 9.x or later

An error message similar to the following may appear:

Stop code of 0xD1, DRIVER_IRQL_NOT_LESS_OR_EQUAL

This error occurs in systems running versions of **SCSIPort.sys** earlier than February 2004 for Windows Server 2000, and earlier than July 2004 for Windows Server 2003.



NOTE: This issue may also occur in systems with a SCSI miniport driver that does not use mapped buffers for input/output operations to disk. If you are unsure about whether a particular driver is affected, contact Dell support.

To address this issue, download and install the hotfix from the Dell Support website located at support.dell.com. It is strongly recommended that you install this hotfix immediately to ensure system and data integrity. The hotfix is installed in all the PowerEdge systems that are shipped from Dell after November 17, 2004 with the Windows Server 2003 and Windows 2000 operating systems.

To install the hotfix, perform the following steps:

- 1 Shut down all applications and back up your critical data.
- 2 Navigate to the Dell Support website at support.dell.com to download the applicable file to your PowerEdge system:
 - **scsiport_w2ka02.exe** (for Windows 2000 with Service Pack 4 or earlier)
 - **scsiport_ws03a02.exe** (for Windows 2003 or Windows Small Business Server 2003 with no Service Packs installed)
- 3 Double-click the .exe file.
- 4 If the **Export Compliance Disclaimer** window appears, accept the agreement.
- 5 In the **File Download** window, click **Save** to save the file to your hard drive.
- 6 Double-click the downloaded file and specify the location for the unzipped files.
- 7 Click **Unzip**.

- 8** After the files are unzipped, identify the language you want to install and open the folder.
- 9** Double-click the self-extracting cabinet file.
- 10** Follow the instructions in the installer program to complete the installation.
Your system reboots automatically. If your system does not reboot automatically, manually reboot your system.

The hotfix is installed on your system.

