



Using Recovery CDs with IBM eServer xSeries 460 servers

A complete IBM® Datacenter solution for your IBM eServer™ xSeries® 460 server can utilize either Microsoft® Windows® Server 2003, Datacenter Edition or Microsoft Windows Server 2003, Datacenter x64 Edition.

The IBM Datacenter solution includes Recovery CDs, which you can use to restore your server to its default configuration. In the event you must reinstall your operating system using the Recovery CDs included with your eServer xSeries 460 server, you will also need to update the driver for the ServeRAID-8i SAS controller.

- If your server does not come with the Datacenter operating system preinstalled, use the Recovery CDs to install the operating system with a default configuration.
- If your server comes with the Datacenter operating system preinstalled, you do not have to use the Recovery CDs nor do you need to update the IBM ServeRAID-8i device driver before you begin using the server for the first time.

Attention: Any applications that are installed or changes that are made during or after the initial configuration will be lost when you use the Recovery CDs to restore the default configuration. You must back up all data and configuration information on your server if you want to preserve this information.

To complete a reinstallation of your operating system and Datacenter solution for your eServer xSeries 460 server, do the following:

1. If you wish to preserve non-default configuration settings before reinstalling the operating system, back up configuration information or data that you need to preserve on the hard disks in the server.
2. If you have two servers in a multi-node configuration, make sure that the hardware is correctly cabled and configured before installing the operating system. See the documentation that comes with your server for detailed instructions.
3. Turn on the server and insert the first Recovery CD into the CD-ROM or DVD-ROM drive.

Note: For multi-node configurations, turn on the primary server and use the primary server CD-ROM or DVD-ROM drive.

4. When prompted, insert the second Recovery CD into the CD-ROM or DVD-ROM drive; then, press the Enter key to continue.
5. After the operating system installation is completed, use the procedure below, "Installing drivers for the ServeRAID-8i SAS controller," to update to the latest version of the IBM ServeRAID-8i device driver.

Installing drivers for the ServeRAID-8i SAS controller

To install drivers for the ServeRAID-8i SAS controller, you will need to create a diskette from the diskette images on the IBM ServeRAID Support CD. Images for the following diskettes are in the \DISKETTE\SAS directory of the IBM ServeRAID Support CD:

- For Microsoft Windows Server 2003, Datacenter Edition, the diskette image name is arcsas-win2003.img.
- For Microsoft Windows Server 2003, Datacenter x64 Edition, the diskette image name is arcsas-win2003-x86_64.img.

Creating diskettes on Windows

Complete the following steps to create a diskette:

1. Insert the IBM ServeRAID Support CD into the CD-ROM drive.
2. Insert a blank diskette into the diskette drive.
3. Open a DOS prompt command window.
4. At the command prompt, type the following and press the Enter key:
`e:\diskette\tools\dsk4w32 e:\diskette\disktetype\disketteimage a:`
where
 - *e:* is the drive letter for the CD-ROM drive.
 - *disktetype* is sas.
 - *disketteimage* is the name of the diskette image.
 - *a:* is the drive letter for the diskette drive.
5. Leave the ServeRAID Support CD in the CD-ROM drive, and the driver diskette in the diskette drive. Complete the "Installing the ServeRAID-8i SAS controller driver" procedure below.

Installing the ServeRAID-8i SAS controller driver

Complete the following steps to update the ServeRAID device driver after installing your operating system:

1. Verify that the ServeRAID Support CD is in the CD-ROM drive, and the ServeRAID-8i SAS controller driver diskette in the diskette drive.
2. Click **Start> Programs>Administrative Tools> Computer Management**. The Computer Management window opens.
3. In the left pane, click **Device Manager**.
4. In the right pane, click **SCSI adapters and RAID controllers** to display all the controllers in the server.
5. Right-click the ServeRAID controller in the tree; then, click **Update Driver**.
6. The Update Device Wizard displays. Select **No, not at this time**. Click **Next**.
7. Select **Install** from a list or specific location; then, click **Next**.
8. Select **Don't Search, I will choose driver to install**; then, click **Next**.
9. Click **Have Disk**.
10. In the **Copy manufacturer's files from** field, enter the following:
 - If you are using Windows Server 2003, Datacenter Edition, type *a:*
 - If you are using Windows Server 2003, Datacenter x64 Edition, type *a:\amd64*where *a:* is the diskette drive letter.
11. Click **OK**; the Select a Device Driver window opens.
12. In the **Models** list box, select the appropriate ServeRAID controller; then, click **Next**.
13. The Start Device Driver Installation window opens; click **Next**.
14. After the device driver is installed, remove the diskette or the CD from the drive and restart the server.

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