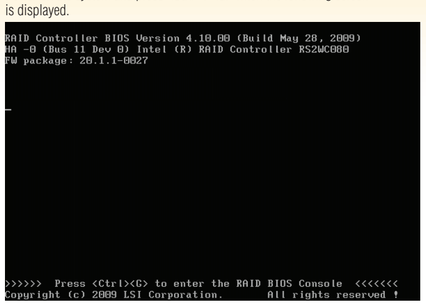
Side 2

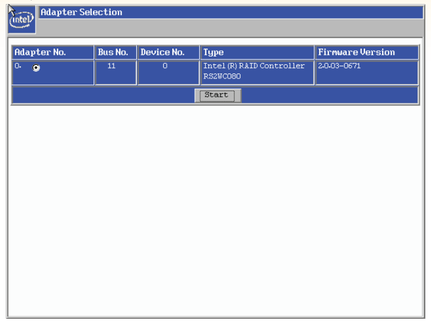
4 Use the Intel® RAID BIOS Console Utility to Create a RAID Volume

Note: As necessary, see "Choosing the Right RAID Level" on side 1 of this Quick Start User's Guide for a brief description of the RAID levels.

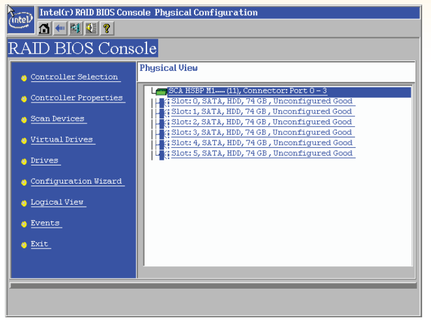
1 Power on the system and press <Ctrl> + <G> when the following screen is displayed.



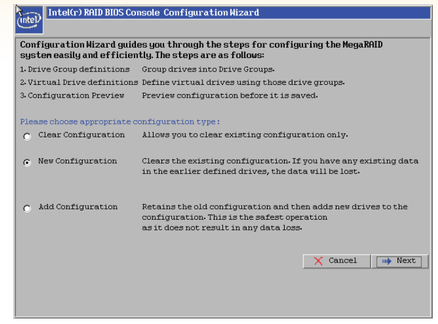
2 When the Intel® RAID BIOS Console starts, it will display the Intel® RAID Controller RS2WC080 installed in the system. Click on the "Adapter No." radio button to choose the controller, and then click **Start.**



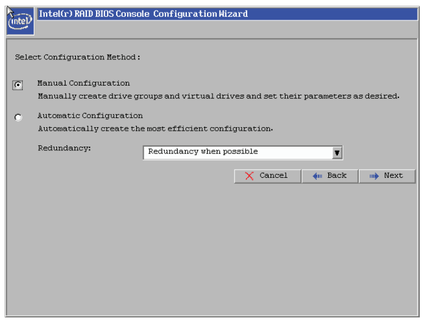
3 After a brief pause, the RAID BIOS Console screen is displayed. Click **Configuration Wizard.**



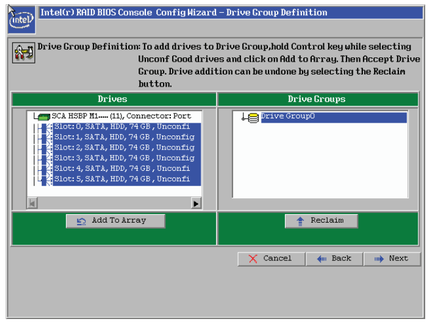
4 Select **New Configuration** and click **Next.**



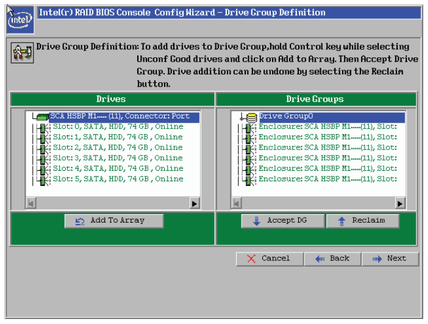
5 For this example, **Manual Configuration** is used. Click **Next.** (For further information, see the Intel® RAID Software User's Guide on the Resource CD.)



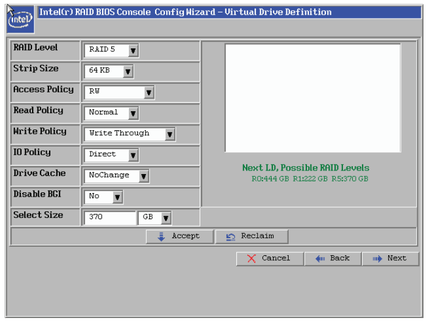
6 Add physical drives to the array by pressing the <Ctrl> key while clicking on entries under Physical Drives. Once you have selected all the drives you wish to add to the array, click **Add To Array.** Then, click **Next.**



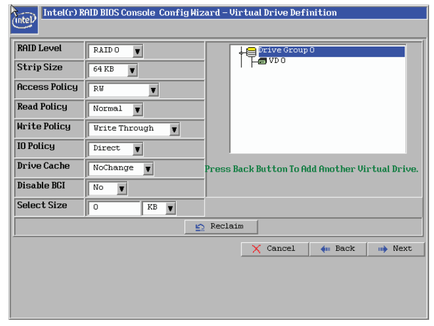
7 Define further arrays or click **Accept DG** if finished. Then, click **Next.**



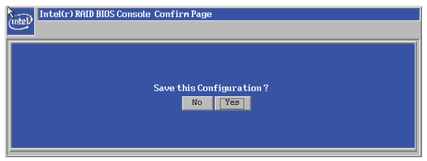
8 Select the **RAID Level** from the drop-down list. Select the **Stripe Size.** Enter the size of the logical drive. Click **Accept.**



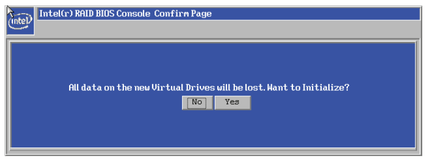
9 Click **Next.**



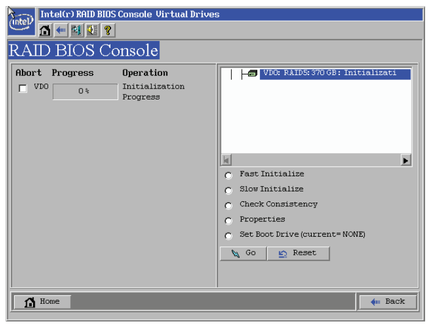
10 Click **Yes.**



11 Click **Yes.**



12 Select **Fast Initialize** to do a preliminary initialization of the drives for loading the operating system. A full initialization will occur in the background.



Creation of a RAID volume is now complete.

5 Install the Operating System Drivers

*Microsoft Windows 2003** OR *Microsoft Windows 2008** OR *Red Hat* Enterprise Linux* OR *SuSE* Linux Enterprise Server*

1 Create installation media (floppy disk required for Microsoft Windows 2003*; removable media, such as a floppy disk, USB device, or CD/DVD-ROM, required for Microsoft Windows 2008*). See the instructions at the right.

2 Boot the server and start the OS installation.

3 Press the <F6> key as soon as the first screen appears.

4 When prompted to specify a mass storage controller:

a. Press <S> to specify additional storage devices.

b. Insert the installation driver disk that you created in step 1 above.

c. Press the <Enter> key to select the "Installation Driver" and continue with the Windows installation.

When you see: "Where do you want to install windows?", select **Load Driver**, and then click Next.

When prompted by the Load Driver dialog:

a. Insert the removable installation media that you created in step 1 above.

b. Press the <Enter> key to select the "Installation Driver" and continue with the Windows installation.

5 Follow the on-screen instructions to complete the Windows installation.

1 Create installation media (removable media, such as a floppy disk, USB device, or CD/DVD-ROM, required). See the instructions at the right.

2 Boot the system with Red Hat* Enterprise Linux CD-ROM.

3 At the boot prompt, insert the Linux installation disk that you created in step 1.

4 Type **Linux dd**, and press the **<Enter>** key.

Boot the system with SuSE* Linux Enterprise Server (SLES) CD-ROM.

When the first screen displays, insert the Linux installation disk that you created step 1.

Press the <F5> key for SLES 10 or the <F6> key for SLES 9 to load the driver, and then select an installation menu option.

5 Follow the on-screen instructions to complete the installation. The RAID controller driver is automatically detected and installed.

To manage a RAID array, install Intel® RAID Web Console 2

Install the Intel® RAID Web Console 2 package from the Resource CD.

Extract the contents of the ZIP file and run Setup.exe from the Disk1 folder.

Install the Intel® RAID Web Console 2 package from the Resource CD.

Unpack Linux_rwc2_**tar.gz.
Remove any line breaks and allow permissions by typing
$> tr -d '\15\32' < existing_file_name > new_file_name
$> chmod a+x new_file_name
Run ./install.sh

Choose one of four installation modes: Complete (installs all features), Client (administrative machine only), Server (can be managed remotely), or StandAlone (only manages itself).

To start Intel® RAID Web Console 2 from within the OS: Choose Start | Programs | RAID WebConsole | RAID WebConsole 2. For additional details, see the Intel® RAID Software User's Guide.

Create Installation Media

1 Obtain the drivers either from the resource CD or the Intel web site.

2 If using the Resource CD, insert the resource CD. Browse to \Drivers and then the matching OS folder.

OR

Go to http://downloadcenter.intel.com and locate your product under Server Products in the left menu.

Microsoft Windows*

3 Extract the files from the zip file to your hard drive. Copy the appropriate files to afloppy disk (for Microsoft Windows 2003*) or removable media (for Microsoft Windows 2008*).

Copy the matching .sys, .cat, .oem, and .inf driver files to a floppy disk or removable media.

Linux*

Extract the driver update disk (DUD) image (file extension .img) from the zip file to your hard drive. If you have a system with Microsoft Windows*, you will need a third-party utlity such as 'rawrite' to extract the DUD image to a floppy disk. For a system under Linux or Sun Solaris*, use the 'dd' command as follows:

```
dd if=<image_file_name> of=<path-to-media>
```

'path-to-media' is usually /dev/fd0, but may differ if you are using a USB floppy drive.