Using bootlist in Maintenance Mode in AIX 4.1

Special Notices

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Reasons You May Need to Run the Bootlist Command

You may need to run the bootlist command if the RISC System/6000 hangs on an alternating LED 223/229, alternating LED 225/229, alternating LED 233/235, alternating LED 221/229, alternating LED 222/229, solid LED 221, or solid LED 721. These LEDs indicate that the system cannot locate the boot image. Other situations may also require that the bootlist command be run. If the bootlist command needs to be run, follow the steps below.

Recovery Procedure

1. Turn the key to the Service position.
2. With BOOTABLE MEDIA OF THE SAME VERSION AND LEVEL AS THE SYSTEM, boot the system.

   The bootable media can be ANY ONE of the following:

   - Bootable cdrom
   - NON_AUTOINSTALL Mksysb
   - Bootable Install Tape

   Follow the screen prompts to the following menu:

   ```
   Welcome to Base Operating System
   Installation and Maintenance
   ```

3. Choose "Start Maintenance Mode for System Recovery" (Option 3)

   The next screen has the "Maintenance" Menu

4. Choose "Access a Root Volume Group" (Option 1)

   The next screen displays a warning that indicates you will not be able to return to Base OS menu without rebooting.

5. Choose "0 continue"

The next screen displays information about all volume groups on the system.

6. Select the root volume group by number.
7. Choose "Access this volume group and start a shell" (Option 1)

   If you get errors from the above option, do not continue with the rest of this procedure. Correct the problem causing the error. If you need assistance correcting the problem, contact one of the following:

   - local branch office
   - your point of sale
   - 1-800-CALL-AIX (to register for fee-based services)

     All of the above avenues for assistance may be billable.

   If no errors occur, precede with the steps outlined below:

8. Determine which disk is the boot disk with the lslv command. The boot disk will be shown in the PV1 column of the lslv output.

   ```
   lslv -m hd5
   ```

9. Use the bootlist command to rebuild the boot list. ("#" is the number of the fixed disk, determined with the previous command.)

   ```
   bootlist -m normal hdisk#
   ```

10. With the key in Normal position, shutdown and reboot.

    ```
    shutdown -Fr
    ```

11. If running the bootlist command did not fix the problem and you need further assistance, contact one of the following:

    - local branch office
    - your point of sale
    - 1-800-CALL-AIX (to register for fee-based services)

    All of the above avenues for assistance may be billable.

Reader's Comments

Please fax this form to (512) 823-4009, attention "AIXServ Information". You may also e-mail comments to: elizabet@austin.ibm.com. These comments should include the same customer information requested below.

Use this form to tell us what you think about this document. If you have found errors in it, or if you want to express your opinion about it (such as organization, subject matter, appearance) or make suggestions for improvement, this is the form to use.

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Note: If you have a problem report or item number, supplying that number may help us determine why a procedure did or did not work in your specific situation.

Problem Report or Item #: Branch Office or Customer #:

Be sure to print your name and fax number below if you would like a reply:

Name: Fax Number:

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