

Topic: A Series BIOS Update Procedure
Component(s) Affected: A1010 Blade
Date: October 6, 2006

OVERVIEW / ENVIRONMENT

This Technical Bulletin details the procedure for reflashing the BIOS on A1010 Blades.

DETAILED DESCRIPTION

This Technical Bulletin details the procedure for reflashing the BIOS on A1010 Blades. An associated package provides the necessary software and the factory-release version of the BIOS. Use this procedure if the BIOS on your A1010 blade becomes corrupted, or if you need to revert to this version of the BIOS.

Note: Do not use this procedure or its accompanying software with R Series blades.

RESOLUTION

Updating or reflashing the BIOS on an A1010 blade requires removing the blade from the A3000 chassis and bench-configuring the blade. To update or reflash the BIOS on an A1010 blade, you need the following:

- A Series bench-configuration equipment, consisting of:
 - SVGA monitor and cable
 - USB or PS/ 2 keyboard
 - USB or PS/ 2 mouse
 - IEC-type power cord for the blade
- USB floppy drive
- Bootable DOS floppy disk
- The A1060401.zip BIOS package

To update or reflash your BIOS, do the following:

1. Download the A1060401.zip file from the ClearCube support site. This file contains the A1010 BIOS file, the afudos.exe flash utility, and this Technical Bulletin.
2. Unzip this file and copy the afudos.exe and A1060401.rom files to the bootable floppy disk.
3. Remove the A1010 blade from its chassis.
4. At your bench configuration area, connect the monitor, keyboard, mouse, and USB floppy drive to the A1010 blade. An Ethernet connection is not required.
5. Insert the boot floppy disk that contains the afudos.exe and A1060401.rom files.
6. Connect the power cord to the blade. If necessary, press the power button to turn the blade on.
7. Boot your A1010 blade off of the floppy drive and enter the following command:

```
afudos /iA1060401.rom
```

Do not place a space between the /i flag and the file name.

8. After installing the `A1060401.rom` BIOS, shut down the blade and disconnect the floppy drive.
 9. Restart the blade to complete the BIOS installation.
- Note:** The A1010 must be restarted now to complete this process.
10. Restart the blade again to verify that the reflash was successful and the blade successfully boots from the hard drive.
 11. If the reflash was successful, shut down the blade and disconnect the bench configuration equipment from the blade.
 12. Replace the blade in the chassis. Remember to reconnect its Ethernet cable and to replace the front bezel on the chassis.
 13. Restart the blade. If necessary, press the power button to turn the blade on.

To restore a corrupted BIOS, do the following:

1. Download the `A1060401.zip` file from the ClearCube support site. This file contains the A1010 BIOS file, the `afudos.exe` flash utility, and this Technical Bulletin.
2. Unzip this file and copy the `afudos.exe` and `A1060401.rom` files to the bootable floppy disk.
3. Rename the `A1060401.rom` file on the floppy disk to `P5P800VM.rom`.
4. Assemble the A Series bench-configuration equipment, and boot the blade off of the floppy drive. The BIOS recovery process runs automatically.
5. Restart the blade when the BIOS recovery process has completed.
6. Verify that the blade successfully boots from the hard drive.

For more information, please contact ClearCube technical support.

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