(intel®)

Intel Technical Advisory

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System Software Updates Require Special Attention on Intel® 5000 Series Chipsets Server Boards

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Products Affected
All Intel® 5000 Series Chipset Server Boards.

Description
As support for the Quad-Core Intel® Xeon® Processor 5300 series is added to the Intel BIOS, firmware and FRUSDR software, upgrades must occur in a certain order to ensure a valid system stack. .

Root Cause
Quad core detection and management requires SMBIOS Table 2.5 and more complex FRUSDRs. An update to BIOS 66 is required to obtain this Table. Tools which update FRUSDRs prior to BIOS update or update both at the same time will still require BIOS 66 be on the server prior to FRUSDR updates.

Corrective Action / Resolution
All Intel® 5000 Series Chipset Server Boards must be updated to BIOS 66 before attempting to update to FRUSDR packages supporting the Quad-Core Intel® Xeon® Processor 5300 series.

There are multiple tools and update packs provided to accomplish this task.

1. Use any of the following tools and packages to update from BIOS versions prior to BIOS 66.
   - the tools and software updates provided in the DOS Update Package containing BIOS 66
   - Intel® Deployment Assistant 1.0 or 1.1 on the Intel® Resource Toolkit 2 CD and the OFU/Intel® Deployment Assistant software update package containing BIOS 66
   - Intel® One-boot Flash Update (OFU) found on the Intel® System Management Software CD and the OFU/Intel® Deployment Assistant software update package containing BIOS 66.

2. After updating to BIOS 66, use the appropriate DOS FRUSDR package dated after October 15, 2006 to update to the FRUSDRs that incluthat include support for the Quad-Core Intel® Xeon® Processor 5300 series.

3. For future updates, you will be able to use any of :
   - Tools and software updates provided in the DOS Update Package
   - Intel® Deployment Assistant 1.2 (to be posted to http://support.intel.com by the end of November 2006)
   - OFU version located on http://support.intel.com dated after October 15, 2006.

Additional Information
Intel® One-boot Flash Update allows updating of the BIOS/BMC/and FRUSDRs from within Microsoft* Windows* Server 2003 or Red Hat* Enterprise Linux* 4.0. Version 9.6.1 or later should be used and will be available from http://downloadfinder.intel.com (search for OFU or look under your Server Board).

Intel® Deployment Assistant v1.0 or 1.1 is available by booting to the Intel® Server Resource CD 2 included in your boxed Server Board or from http://downloadfinder.intel.com (look under your Server Board using the OS selection of "OS independent"). After the BIOS 66 update, Intel® Deployment Assistant 1.2 should be used and will be available from the same support site. This will be an ISO download which should be made into a bootable CD to replace the CD that shipped with the boxed Intel® Server board.

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