

IBM ServeRAID driver Change Log

- 5.00.01 - Sarasota (5i) adapters must always be scanned first
 - Get rid on IOCTL_NEW_COMMAND code
 - Add Extended DCDB Commands for Tape Support in 5I
- 4.90.11 - Don't actually RESET unless it's physically required
 - Remove unused compile options
- 4.90.08 - Data Corruption if First Scatter Gather Element is > 64K
- 4.90.08 - Increase Delays in Flashing (Trombone Only - 4H)
- 4.90.05 - Use New PCI Architecture to facilitate Hot Plug Development
- 4.90.01 - Add ServeRAID Version Checking
- 4.80.26 - Clean up potential code problems (Arjan's recommendations)
- 4.80.21 - Change memcpy() to copy_to_user() in NVRAM Page 5 IOCTL path
- 4.80.20 - Set max_sectors in Scsi_Host structure (if >= 2.4.7 kernel)
 - 5 second delay needed after resetting an i960 adapter
- 4.80.14 - Take all semaphores off stack
 - Clean Up New_IOCTL path
- 4.80.04 - Eliminate calls to strtok() if 2.4.x or greater
 - Adjustments to Device Queue Depth
- 4.80.00 - Make ia64 Safe
- 4.72.01 - I/O Mapped Memory release (so "insmod ips" does not Fail)
 - Don't Issue Internal FFDC Command if there are Active
- Commands
 - Close Window for getting too many IOCTL's active
- 4.72.00 - Allow for a Scatter-Gather Element to exceed MAX_XFER Size
- 4.71.00 - Change all memory allocations to not use GFP_DMA flag
 - Code Clean-Up for 2.4.x kernel
- 4.70.15 - Fix Breakup for very large (non-SG) requests
- 4.70.13 - Don't release HA Lock in ips_next() until SC taken off queue
 - Unregister SCSI device in ips_release()
 - Don't Send CDB's if we already know the device is not present

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- 4.70.12 - Corrective actions for bad controller (during initialization
 - 4.70.09 - Use a Common (Large Buffer) for Flashing from the JCRM CD
 - Add IPSSSEND Flash Support
 - Set Sense Data for Unknown SCSI Command
 - Use Slot Number from NVRAM Page 5
 - Restore caller's DCDB Structure
 - 4.20.14 - Update patch files for kernel 2.4.0-test5
 - 4.20.13 - Fix some failure cases / reset code
 - Hook into the reboot_notifier to flush the controller cache
 - 4.20.03 - Rename version to coincide with new release schedules
 - Performance fixes
 - Fix truncation of /proc files with cat
 - Merge in changes through kernel 2.4.0test1ac21
 - 4.10.13 - Fix for dynamic unload and proc file system
 - 4.10.00 - Add support for ServerRAID 4M/4L
 - 4.00.06 - Fix timeout with initial FFDC command
 - 4.00.05 - Remove wish_block from init routine
 - Use linux/spinlock.h instead of asm/spinlock.h for kernels 2.3.18 and later
 - Sync with other changes from the 2.3 kernels
 - 4.00.04 - Rename structures/constants to be prefixed with IPS_
 - 4.00.03 - Add alternative passthru interface
 - Add ability to flash ServerRAID BIOS
 - 4.00.02 - Fix problem with PT DCDB with no buffer
 - 4.00.01 - Add support for First Failure Data Capture
 - 4.00.00 - Add support for ServerRAID 4
 - 3.60.02 - Make DCDB direction based on lookup table.
 - Only allow one DCDB command to a SCSI ID at a time.
 - 3.60.01 - Remove bogus error check in passthru routine.
 - 3.60.00 - Bump max commands to 128 for use with ServerRAID firmware 3.60.
 - Change version to 3.60 to coincide with ServerRAID release numbering.
 - 1.00.00 - Initial Public Release

ChangeLog.ips.txt

- Functionally equivalent to 0.99.05
- 0.99.05 - Fix an oops on certain passthru commands
- 0.99.04 - Fix race condition in the passthru mechanism
 - this required the interface to the utilities to change
 - Fix error recovery code
- 0.99.03 - Make interrupt routine handle all completed request on the adapter not just the first one
 - Make sure passthru commands get woken up if we run out of SCBs
 - Send all of the commands on the queue at once rather than one at a time since the card will support it.
- 0.99.02 - Added some additional debug statements to print out errors if an error occurs while trying to read/write to a logical drive (IPS_DEBUG).
 - Fixed read/write errors when the adapter is using an 8K stripe size.