

[ANNOUNCE] libata: new EH, NCQ, hotplug and PM patches against stable kernel

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Hello, all.

Lately libata has been going through a lot of changes and even more are around the corner. I've been working on error handling and advanced SATA features for quite sometime now, and, finally, patches have been finalized and submitted for review a few days ago.

2.6.18 is the target for mainline merge. As there is quite some time between now and 2.6.18, I have made patches to update the current stable kernel to support the new features so that they can receive wider testing and interested people don't have to wait too long. I intend to maintain these patches through 2.6.16 and 17 until the mainline merge happens.

Added new features are

- * New error handling
- * IRQ driven PIO (from Albert Lee)
- * SATA NCQ support
- * Hotplug support
- * Port Multiplier support

The following drivers support new features.

ata_piix: new EH, irq-pio, warmplug (hardware restriction)
sata_sil: new EH, irq-pio, hotplug
ahci: new EH, irq-pio, NCQ, hotplug
sata_sil24: new EH, irq-pio, NCQ, hotplug, Port Multiplier

More info can be found at the following URL.

<http://home-tj.org/wiki/index.php/Libata-tj-stable>

Patches against v2.6.16.16 is available at the following URL.

<http://home-tj.org/files/libata-tj-stable/libata-tj-2.6.16.16-20060512.tar.bz2>

Please read README carefully before testing the patches. Keep in mind

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that these are still quite experimental and not ready for production use.

Thanks.

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tejun

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