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Subject: [PATCH 0/2] dm-ioband: I/O bandwidth controller v1.2.0: Introduction  
Posted by [Ryo Tsuruta](#) on Fri, 04 Jul 2008 03:40:38 GMT

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Hi everyone,

This is the dm-ioband version 1.2.0 release.

Dm-ioband is an I/O bandwidth controller implemented as a device-mapper driver, which gives specified bandwidth to each job running on the same physical device.

- Can be applied to the kernel 2.6.26-rc5-mm3.
- Changes from 1.1.0 (posted on June 2, 2008):
  - Dynamic policy switching  
A user can change the bandwidth control policy while the dm-ioband device is active. It is useful when the dm-ioband device is used as a root device.
  - I/O smoothing take #1  
This feature makes I/O requests of each group issued smoothly. Once a certain group has used up its tokens, all I/O requests to the group will be blocked until all the other groups used up theirs. This feature is to minimize this blocking time.  
We are now testing on the 2nd step and we will release it soon, which will improve the smoothness significantly.
  - Replace `simple_strtol()` with `strict_strtol()`.
  - Fix I/O errors encountered after "dmsetup resume."

Thanks,

Ryo Tsuruta

Linux Block I/O Bandwidth Control Project

<http://people.valinux.co.jp/~ryov/bwctl/>

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[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

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