
Subject: [PATCH 0/2] dm-ioband: I/O bandwidth controller v1.0.0: Introduction

Posted by [Ryo Tsuruta](#) on Mon, 19 May 2008 08:22:38 GMT

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Hi everyone,

This is dm-ioband version 1.0.0 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-rc2-mm1.
- Changes from 0.0.4 (24th April):
 - Performance tuning
 - A new bandwidth control policy is added. This policy controls bandwidth based on the number of I/O sectors instead of the number of I/O requests.

I think it would be useful for some applications such as video streaming or when you want to use high-end storages.

- Control read and write requests separately. So even if a write I/O queue in an elevator is full, read I/O requests won't be blocked.
- More accurate bandwidth control.
- Code cleanups. Remove the "LINUX_VERSION_CODE" and "inline" stuff.
- Fix panic on "dmsetup suspend."

For more details, please refer to:

<http://people.valinux.co.jp/~ryov/dm-ioband/>

Thanks,
Ryo Tsuruta

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