
Subject: Re: [PATCH 1/2] dm-band: The I/O bandwidth controller: Source code patch

Posted by [Frans Pop](#) on Wed, 23 Jan 2008 13:33:28 GMT

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Hi,

I'm not qualified to comment on the code, but here are some suggestions on config option and comments.

Cheers,
FJP

Ryo Tsuruta wrote:

```
> +config DM_BAND
> + tristate "I/O band width control "
```

s/band width/bandwidth/
(it seems to be used correctly elsewhere, but you may want to double-check)

```
> + depends on BLK_DEV_DM
> + ---help---
> + Any processes or cgroups can use the same storage
> + with its band-width fairly shared.
```

s/band-width/bandwidth/

The help should probably be a bit more verbose as this does not tell anybody much who has not already read the documentation.

Maybe something like:

<snip>

This device-mapper target allows to define how the available bandwidth of a storage device should be shared between processes or cgroups.

Information on how to use dm-band is available in:

Documentation/device-mapper/band.txt

</snip>

```
> + * The following functions determine when and which BIOs should
      ^^^^^^^^^^^
```

```
> + * be submitted to control the I/O flow.
```

```
> + * It is possible to add a new I/O scheduling policy with it.
```

```
> + * <Method>    <description>
```

```
> + * g_can_submit : To determine whether a given group has a right to
```

s/a right/the right/

- > + * submit BIOs.
- > + * The larger return value the higher priority to submit.
- > + * Zero means it has no right.

"The larger the return value, the higher the priority [...]"

- > + * g_prepare_bio : Called right before submitting each BIO.
- > + * g_restart_bios : Called when there exist some BIOs blocked but none of
- > them
- > + * can't be submitted now.

s/when there exist some BIOs blocked/if some BIOs exist that are blocked/ ?

"none of them can't" : the double negative looks incorrect (and should be avoided anyway)

- > + * This method have to do something to restart to submit BIOs.

s/have/has/

"has to do something" : that's rather vague...

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