
Subject: Re: [PATCH 1/3] i/o bandwidth controller documentation

Posted by [Andrea Righi](#) on Sat, 21 Jun 2008 10:35:02 GMT

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Thanks Randy, I've applied all your fixes to my local documentation, next patchset version will include them. A few small comments below.

Randy Dunlap wrote:

>> +* Run a benchmark doing I/O on /dev/sda1 and /dev/sda5; I/O limits and usage

>> + defined for cgroup "foo" can be shown as following:

>> + # cat /mnt/cgroup/foo/blockio.bandwidth

>> + === device (8,1) ===

>> + bandwidth limit: 1024 KiB/sec

>> + current i/o usage: 819 KiB/sec

>> + === device (8,5) ===

>> + bandwidth limit: 1024 KiB/sec

>> + current i/o usage: 3102 KiB/sec

>

> Ugh, this makes it look like the output does "pretty printing" (formatting),

> which is generally not a good idea. Let some app be responsible for that,

> not the kernel. Basically this means don't use leading spaces just to make the

> ":"s line up in the output.

Sounds reasonable. I think the output could be further reduced, the following format should be explanatory enough.

device: %u,%u

bandwidth: %lu KiB/sec

usage: %lu KiB/sec

>> +WARNING: per-block device limiting rules always refer to the dev_t device

>> +number. If a block device is unplugged (i.e. a USB device) the limiting rules

>> +associated to that device persist and they are still valid if a new device is

>

> associated with (?)

what about:

...the limiting rules defined for that device...

-Andrea

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