
Subject: Re: [-mm PATCH] Memory controller improve user interface

Posted by [Balbir Singh](#) on Wed, 29 Aug 2007 22:44:15 GMT

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Dave Hansen wrote:

> On Thu, 2007-08-30 at 03:57 +0530, Balbir Singh wrote:

>> True, mmap() is a good example of such an interface for developers, I

>> am not sure about system admins though.

>>

>> To quote Andrew

>> <quote>

>> Reporting tools could run getpagesize() and do the arithmetic, but we

>> generally try to avoid exposing PAGE_SIZE, HZ, etc to userspace in this

>> manner.

>> </quote>

>

> Well, rounding to PAGE_SIZE exposes PAGE_SIZE as well, just in a

> non-intuitive fashion. :)

>

Agreed, but the user might choose to ignore it altogether.

> If we're going to modify what the user specifies, we should probably at

> least mandate that writes are only a "suggestion" and users must read

> back the value to ensure what actually got committed.

>

Agreed, excellent suggestion!

> If we're going to round in any direction, shouldn't we round up? If a

> user specifies 4097 bytes and uses two pages, we don't want to complain

> when they hit that second page.

>

Absolutely, I used rounding to mean round up, truncation for rounding down.

--

Warm Regards,

Balbir Singh

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