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

Posted by [Dave Hansen](#) on Wed, 29 Aug 2007 22:36:40 GMT

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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. :)

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.

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.

-- Dave

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