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Subject: Re: [RFC] [-mm PATCH] Memory controller fix swap charging context in  
unuse\_pte()

Posted by [Hugh Dickins](#) on Mon, 29 Oct 2007 21:07:34 GMT

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On Mon, 29 Oct 2007, Balbir Singh wrote:

> On Mon, Oct 29, 2007 at 01:57:40AM +0530, Balbir Singh wrote:

> Hugh Dickins wrote:

>

> [snip]

>

> > Without your mem\_cgroup mods in mm/swap\_state.c, unuse\_pte makes  
> > the right assignments (I believe). But I find that swapout (using  
> > 600M in a 512M machine) from a 200M cgroup quickly OOMs, whereas  
> > it behaves correctly with your mm/swap\_state.c.

> >

>

> On my UML setup, I booted the UML instance with 512M of memory and  
> used the swapout program that you shared. I tried two things

>

>

> 1. Ran swapout without any changes. The program ran well without  
> any OOM condition occurring, lot of reclaim occurred.

> 2. Ran swapout with the changes to mm/swap\_state.c removed (diff below)  
> and I still did not see any OOM. The reclaim count was much lesser  
> since swap cache did not get accounted back to the cgroup from  
> which pages were being evicted.

>

> I am not sure why I don't see the OOM that you see, still trying. May be

> I missing something obvious at this late hour in the night :-)

I reconfirm that I do see those OOMs. I'll have to try harder to  
analyze how they come about: I sure don't expect you to debug a  
problem you cannot reproduce. But what happens if you try it  
native rather than using UML?

Hugh

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Containers mailing list

[Containers@lists.linux-foundation.org](mailto:Containers@lists.linux-foundation.org)

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