
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

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
