
Subject: [PATCH] cgroup: Avoid a memset by using vzalloc

Posted by [Jesper Juhl](#) on Sat, 30 Oct 2010 21:35:46 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi,

We can avoid doing a memset in swap_cgroup_swapon() by using vzalloc().

Signed-off-by: Jesper Juhl <jj@chaosbits.net>

compile tested only.

page_cgroup.c | 3 +--

1 file changed, 1 insertion(+), 2 deletions(-)

diff --git a/mm/page_cgroup.c b/mm/page_cgroup.c

index 5bffada..34970c7 100644

--- a/mm/page_cgroup.c

+++ b/mm/page_cgroup.c

@@ -450,11 +450,10 @@ int swap_cgroup_swapon(int type, unsigned long max_pages)
length = ((max_pages/SC_PER_PAGE) + 1);
array_size = length * sizeof(void *);

- array = vmalloc(array_size);

+ array = vzalloc(array_size);

if (!array)

goto nomem;

- memset(array, 0, array_size);

ctrl = &swap_cgroup_ctrl[type];

mutex_lock(&swap_cgroup_mutex);

ctrl->length = length;

--

Jesper Juhl <jj@chaosbits.net> <http://www.chaosbits.net/>

Plain text mails only, please <http://www.expita.com/nomime.html>

Don't top-post <http://www.catb.org/~esr/jargon/html/T/top-post.html>

Containers mailing list

Containers@lists.linux-foundation.org

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

Subject: Re: [PATCH] cgroup: Avoid a memset by using vzalloc

Posted by [Jesper Juhl](#) on Mon, 01 Nov 2010 05:40:27 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Sun, 31 Oct 2010, Balbir Singh wrote:

> * MinChan Kim <minchan.kim@gmail.com> [2010-10-31 08:34:01]:
>
> > On Sun, Oct 31, 2010 at 6:35 AM, Jesper Juhl <jj@chaosbits.net> wrote:
> > > Hi,
> > >
> > > We can avoid doing a memset in swap_cgroup_swapon() by using vzalloc().
> > >
> > >
> > > Signed-off-by: Jesper Juhl <jj@chaosbits.net>
> > Reviewed-by: Minchan Kim <minchan.kim@gmail.com>
> >
> > There are so many places need vzalloc.
> > Thanks, Jesper.
>
> Yes, please check memcontrol.c as well
>
I will shortly, I'm slowly working my way through a mountain of code
checking for this. I'll get to memcontrol.c

>
> Acked-by: Balbir Singh <balbir@linux.vnet.ibm.com>
>
Thanks.

--
Jesper Juhl <jj@chaosbits.net> <http://www.chaosbits.net/>
Plain text mails only, please <http://www.expita.com/nomime.html>
Don't top-post <http://www.catb.org/~esr/jargon/html/T/top-post.html>

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
