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

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

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Hi,

We can avoid doing a memset in swap\_cgroup\_swapon() by using vzalloc().

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

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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>

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Containers mailing list

Containers@lists.linux-foundation.org

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

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

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

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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
```

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