
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>

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/>

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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

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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/>

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