
Subject: Re: [RFC][-mm PATCH 4/8] Memory controller memory accounting (v3)

Posted by [Paul Menage](#) on Fri, 20 Jul 2007 21:09:09 GMT

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On 7/20/07, Paul Menage <menage@google.com> wrote:

```
> > + mem = rcu_dereference(mm->mem_container);
> > + /*
> > +  * For every charge from the container, increment reference
> > +  * count
> > +  */
> > + css_get(&mem->css);
> > + rcu_read_unlock();
>
```

> It's not clear to me that this is safe.

>

Sorry, didn't finish this thought.

Right after the `rcu_dereference()` the mm could be moved to another container by some other process.

Since there's an `rcu_synchronize()` after the movement, and the `rcu_synchronize()` caller holds `container_mutex` then I guess it's not possible for a third process to delete the container during the RCU section, since it won't be able to acquire the mutex until after the RCU read section completes. So OK, it is safe, at least based on the guarantees made by the current implementation.

Paul

Containers mailing list

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