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Subject: Re: [PATCH v2 04/11] kmem accounting basic infrastructure

Posted by [Ying Han](#) on Wed, 15 Aug 2012 18:07:09 GMT

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On Wed, Aug 15, 2012 at 8:11 AM, Glauber Costa <glommer@parallels.com> wrote:

> On 08/15/2012 06:47 PM, Christoph Lameter wrote:

>> On Wed, 15 Aug 2012, Michal Hocko wrote:

>>

>>>> That is not what the kernel does, in general. We assume that if he wants  
>>>> that memory and we can serve it, we should. Also, not all kernel memory  
>>>> is unreclaimable. We can shrink the slabs, for instance. Ying Han  
>>>> claims she has patches for that already...

>>>

>>> Are those patches somewhere around?

>>

>> You can already shrink the reclaimable slabs (dentries / inodes) via  
>> calls to the subsystem specific shrinkers. Did Ying Han do anything to  
>> go beyond that?

>>

> That is not enough for us.

> We would like to make sure that the objects being discarded belong to  
> the memcg which is under pressure. We don't need to be perfect here, and  
> an occasional slip is totally fine. But if in general, shrinking from  
> memcg A will mostly wipe out objects from memcg B, we harmed the system  
> in return for nothing good.

Correct. For example, we have per-superblock shrinker today for vfs  
caches. That is not enough since we need to isolate the dentry caches  
per-memcg basis.

--Ying

>

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