Subject: Re: [PATCH v8 1/9] Basic kernel memory functionality for the Memory Controller
Posted by KAMEZAWA Hiroyuki on Fri, 09 Dec 2011 01:21:13 GMT
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On Mon, 5 Dec 2011 19:34:55 -0200
Glauber Costa <glommer@parallels.com> wrote:

> This patch lays down the foundation for the kernel memory component
> of the Memory Controller.
>
> As of today, I am only laying down the following files:
>
> * memory.independent_kmem_limit
> * memory.kmem.limit_in_bytes (currently ignored)
> * memory.kmem.usage_in_bytes (always zero)
>
> Signed-off-by: Glauber Costa <glommer@parallels.com>
> Reviewed-by: Kirill A. Shutemov <kirill@shutemov.name>
> CC: Paul Menage <paul@paulmenage.org>
> CC: Greg Thelen <gthelen@google.com>

As I wrote, please CC Johannes and Michal Hocko for memcg related parts.

A few questions.
==
> + val = !!val;
> +
> + if (parent && parent->use_hierarchy &&
> +   (val != parent->kmem_independent_accounting))
> + return -EINVAL;
==
Hm, why you check val != parent->kmem_independent_accounting ?

```
 if (parent && parent->use_hierarchy)
  return -EINVAL;
```
?

BTW, you didn't check this cgroup has children or not.
I think

```
 if (this_cgroup->use_hierarchy &&
            !list_empty(this_cgroup->childlen))
  return -EINVAL;
```

==
> + /*

> + * TODO: We need to handle the case in which we are doing
> + * independent kmem accounting as authorized by our parent,
> + * but then our parent changes its parameter.
> + */
> + cgroup_lock();
> + memcg->kmem_independent_accounting = val;
> + cgroup_unlock();

Do we need cgroup_lock() here ?

Thanks,
-Kame
