
Subject: Re: [RFC][PATCH] memory controller per zone patches take 2 [9/10]
per-zone-lru for memory cgroup

Posted by [KAMEZAWA Hiroyuki](#) on Mon, 19 Nov 2007 06:35:49 GMT

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On Mon, 19 Nov 2007 11:51:15 +0530

Balbir Singh <balbir@linux.vnet.ibm.com> wrote:

```
> > =
> > /cgroup/group_A/group_A_1
> >      . /group_A_2
> >      /group_A_3
> > (LRU(s) will be used for maintaining parent/child groups.)
> >
>
> The LRU's will be shared, my vision is
>
> LRU
> ^^
> ||
> Mem-----+ +----Mem
>
>
> That two or more mem_cgroup's can refer to the same LRU list and have
> their own resource counters. This setup will be used in the case
> of a hierarchy, so that a child can share memory with its parent
> and have it's own limit.
>
> The mem_cgroup will basically then only contain a reference
> to the LRU list.
>
> Hmm, interesting.
```

Then,

group_A_1's usage + group_A_2's usage + group_A_3's usage < group_A's limit.

group_A_1, group_A_2, group_A_3 has its own limit.

In plan.

I wonder if we want rich control functions, we need "share" or "priority" among
childs. (but maybe this will be complicated one.)

Thank you for explanation.

Regards,
-Kame

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