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Subject: Re: [PATCH 2/2] Make res\_counter hierarchical  
Posted by [Daisuke Nishimura](#) on Tue, 11 Mar 2008 09:03:20 GMT  
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Hi.

> No. The mem\_counter\_N\_limit is the limit for all the memory, that the  
> Nth group consumes. This includes the RSS, page cache and swap for this  
> group and all the child groups. Since RSS and page cache are accounted  
> together, this limit tracks the sum of (memory + swap) values over the  
> subtree started at the given group.

>  
It seems a bit confusing for me, because current memcg manages  
only RSS and page cache, not swap.

>>>> IMO, a parent's usage is just sum of all childs'.  
>>>> And, historically, memory overcommit is done against "memory usage + swap".  
>>>>  
>>>> How about this ?  
>>>> <mem\_counter\_top, swap\_counter\_top>  
>>>> <mem\_counter\_sub, swap\_counter\_sub>  
>>>> <mem\_counter\_sub, swap\_counter\_sub>  
>>>> <mem\_counter\_sub, swap\_counter\_sub>  
>>>>  
>>>> mem\_counter\_top.usage == sum of all mem\_coutner\_sub.usage  
>>>> swap\_counter\_sub.usage = sum of all swap\_counter\_sub.usage

I prefer Kamezawa-san's idea.

Thanks,  
Daisuke Nishimura.

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